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12AP1/E5 -- Viventia Biotech	AI-201 -- AutoImmune
1964 -- Aventis	AI-301 -- AutoImmune
20K growth hormone -- AMUR	AIDS vaccine -- ANRS, CIBG, Hesed
28P6/E6 -- Viventia Biotech	Biomed, Hollis-Eden, Rome, United
3-Hydroxyphthaloyl-beta-lactoglobulin --	Biomedical, American Home Products,
4-IBB ligand gene therapy --	Maxygen
64-Cu MAb conjugate TETA-1A3 --	airway receptor ligand -- IC Innovations
Mallinckrodt Institute of Radiology	- AJvW 2 -- Ajinomoto
64-Cu MAb conjugate TETA-CT84.66	AK 30 NGF -- Alkermes
64-Cu Trastuzumab TETA conjugate --	Albuferon -- Human Genome Sciences
Genentech	albumin -- Biogen, DSM Anti-Infectives,
A 200 -- Amgen	Genzyme Transgenics, PPL Therapeutics,
A10255 -- Eli Lilly	TranXenoGen, Welfide Corp.
A1PDX -- Hedral Therapeutics	aldesleukin -- Chiron
A6 -- Angstrom	alefacept -- Biogen
aaAT-III -- Genzyme	Alemtuzumab --
Abciximab -- Centocor	Allergy therapy -- ALK-Abello/Maxygen,
ABI.001 -- Atlantic BioPharmaceuticals	ALK-Abello/RP Scherer
ABT-828 -- Abbott	allergy vaccines -- Allergy Therapeutics
Accutin	Alnidofibatide -- Aventis Pasteur
Actinohivin	Alnorine -- SRC VB VECTOR
activin -- Biotech Australia, Human	ALP 242 -- Gruenenthal
Therapeutics	Alpha antitrypsin -- Arriva/Hyland
activin -- Curis	Immuno/ProMetic/Protease Sciences
AD 439 -- Tanox	Alpha-1 antitrypsin -- Cutter, Bayer, PPL
AD 519 -- Tanox	Therapeutics, Profile, ZymoGenetics,
Adalimumab -- Cambridge Antibody Tech.	Arriva
Adenocarcinoma vaccine -- Biomira -- NIS	Alpha-1 protease inhibitor -- Genzyme
Adenosine A2B receptor antagonists --	Transgenics, Welfide Corp.
Adenosine Therapeutics	Alpha-galactose fusion protein --
ADP-001 -- Axis Genetics	Immunomedics
AF 13948 -- Affymax	Alpha-galactosidase A -- Research
Afelimomab -- Knoll	Corporation Technologies
AFP-SCAN -- Immunomedics	Alpha-glucosidase -- Genzyme, Novazyme
AG 2195 -- Corixa	Alpha-lactalbumin
agalsidase alfa -- Transkaryotic Therapies	Alpha-L-iduronidase -- Transkaryotic
agalsidase beta -- Genzyme	Therapies, BioMarin
AGENT-- Antisoma	alteplase -- Genentech
AI 300 -- AutoImmune	alvircept sudotox -- NIH
AI-101 -- Teva	ALX1-11 --sNPS Pharmaceuticals
AI-102 -- Teva	Alzheimer's disease gene therapy --

FIG. 1A

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AM-133 -- AMRAD	Anti-B4 MAb-DC1 conjugate -- ImmunoGen
Amb a 1 immunostim conj. -- Dynavax	Anti-B7 antibody PRIMATIZED -- IDEC
AMD 3100 -- AnorMED -- NIS	Anti-B7-1 MAb 16-10A1
AMD 3465 -- AnorMED -- NIS	Anti-B7-1 MAb 1G10
AMD 3465 -- AnorMED -- NIS	Anti-B7-2 MAb GL-1
AMD Fab -- Genentech	Anti-B7-2-gelonin immunotoxin --
Amediplase -- Menarini, Novartis	Antibacterials/antifungals --
AM-F9	Diversa/IntraBiotics
Amoebiasis vaccine	Anti-beta-amyloid monoclonal antibodies --
Amphiregulin -- Octagene	Cambridge Antibody Tech., Wyeth-Ayerst
anakinra -- Amgen	Anti-BLyS antibodies -- Cambridge
analgesic -- Nobex	Antibody Tech. /Human Genome Sciences
ancestim -- Amgen	Antibody-drug conjugates -- Seattle
AnergiX.RA -- Corixa, Organon	Genetics/Eos
Angiocidin -- InKine	Anti-C5 MAb BB5-1 -- Alexion
angiogenesis inhibitors -- ILEX	Anti-C5 MAb N19-8 -- Alexion
AngioMab -- Antisoma	Anti-C8 MAb
Angiopoietins -- Regeneron/Procter &	anticancer cytokines -- BioPulse
Gamble	anticancer matrix -- Telios Integra
angiostatin -- EntreMed	Anticancer monoclonal antibodies -- ARIUS,
Angiostatin/endostatin gene therapy --	Immunex
Genetix Pharmaceuticals	anticancer peptides -- Maxygen, Micrologix
angiotensin-II, topical -- Maret	Anticancer prodrug Tech. -- Alexion
Anthrax -- EluSys Therapeutics/US Army	Antibody Technologies
Medical Research Institute	anticancer Troy-Bodies -- Affite -- Affitech
Anthrax vaccine	anticancer vaccine -- NIH
Anti platelet-derived growth factor D human	anticancers -- Epimmune
monoclonal antibodies -- CuraGen	Anti-CCR5/CXCR4 sheep MAb -- KS
Anti-17-1A MAb 3622W94 --	Biomedix Holdings
GlaxoSmithKline	Anti-CD11a MAb KBA --
Anti-2C4 MAb -- Genentech	Anti-CD11a MAb M17
anti-4-1BB monoclonal antibodies -- Bristol-	Anti-CD11a MAb TA-3 --
Myers Squibb	Anti-CD11a MAb WT.1 --
Anti-Adhesion Platform Tech. -- Cytovax	Anti-CD11b MAb -- Pharmacia
Anti-adipocyte MAb -- Cambridge Antibody	Anti-CD11b MAb LM2
Tech./ObeSys	Anti-CD154 MAb -- Biogen
antiallergics -- Maxygen	Anti-CD16-anti-CD30 MAb -- Biotest
antiallergy vaccine -- Acambis	Anti-CD18 MAb -- Pharmacia
Anti-alpha-4-integrin MAb	Anti-CD19 MAb B43 --
Anti-angiogenesis monoclonal antibodies --	Anti-CD19 MAb -liposomal sodium butyrate
KS Biomedix/Schering AG	conjugate --

FIG. 1B

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Anti-CD19 MAb-saporin conjugate –	Anti-CD4 MAb KT6
Anti-CD19-dsFv-PE38-immunotoxin –	Anti-CD4 MAb OX38
Anti-CD2 MAb 12-15 –	Anti-CD4 MAb PAP conjugate -- Bristol-Myers Squibb
Anti-CD2 MAb B-E2 -- Diaclone	Anti-CD4 MAb RIB 5-2
Anti-CD2 MAb OX34 –	Anti-CD4 MAb W3/25
Anti-CD2 MAb OX54 –	Anti-CD4 MAb YTA 3.1.2
Anti-CD2 MAb OX55 –	Anti-CD4 MAb YTS 177-9
Anti-CD2 MAb RM2-1	Anti-CD40 ligand MAb 5c8 -- Biogen
Anti-CD2 MAb RM2-2	Anti-CD40 MAb
Anti-CD2 MAb RM2-4	Anti-CD40 MAb 5D12 – Tanox
Anti-CD20 MAb BCA B20	Anti-CD44 MAb A3D8
Anti-CD20-anti-Fc alpha RI bispecific MAb – Medarex, Tenovus	Anti-CD44 MAb GKWA3
Anti-CD22 MAb-saporin-6 complex –	Anti-CD44 MAb IM7
Anti-CD3 immunotoxin –	Anti-CD44 MAb KM81
Anti-CD3 MAb 145-2C11 -- Pharming	Anti-CD44 variant monoclonal antibodies -- Corixa/Hebrew University
Anti-CD3 MAb CD4IgG conjugate -- Genentech	Anti-CD45 MAb BC8-I-131
Anti-CD3 MAb humanised – Protein Design, RW Johnson	Anti-CD45RB MAb
Anti-CD3 MAb WT32	Anti-CD48 MAb HuLy-m3
Anti-CD3 MAb-ricin-chain-A conjugate –	Anti-CD48 MAb WM-63
Anti-CD3 MAb-xanthine-oxidase conjugate –	Anti-CD5 MAb -- Becton Dickinson
–	Anti-CD5 MAb OX19
Anti-CD30 MAb BerH2 -- Medac	Anti-CD6 MAb
Anti-CD30 MAb-saporin conjugate	Anti-CD7 MAb-PAP conjugate
Anti-CD30-scFv-ETA'-immunotoxin	Anti-CD7 MAb-ricin-chain-A conjugate
Anti-CD38 MAb AT13/5	Anti-CD8 MAb – Amerimmune, Cytodyn, Becton Dickinson
Anti-CD38 MAb-saporin conjugate	Anti-CD8 MAb 2-43
Anti-CD3-anti-CD19 bispecific MAb	Anti-CD8 MAb OX8
Anti-CD3-anti-EGFR MAb	Anti-CD80 MAb P16C10 -- IDEC
Anti-CD3-anti-interleukin-2-receptor MAb	Anti-CD80 MAb P7C10 -- ID Vaccine
Anti-CD3-anti-MOV18 MAb -- Centocor	Anti-CD8-idarubicin conjugate
Anti-CD3-anti-SCLC bispecific MAb	Anti-CEA MAb CE-25
Anti-CD4 idiotype vaccine	Anti-CEA MAb MN 14 – Immunomedics
Anti-CD4 MAb – Centocor, IDEC Pharmaceuticals, Xenova Group	Anti-CEA MAb MN14-PE40 conjugate – Immunomedics
Anti-CD4 MAb 16H5	Anti-CEA MAb T84.66-interleukin-2 conjugate
Anti-CD4 MAb 4162W94 -- GlaxoSmithKline	Anti-CEA sheep MAb -- KS Biomedix Holdings
Anti-CD4 MAb B-F5 -- Diaclone	
Anti-CD4 MAb GK1-5	

FIG. 1C

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Anti-cell surface monoclonal antibodies --	Anti-HIV antibody -- Epicyte
Cambridge Antibody Tech. /Pharmacia	anti-HIV catalytic antibody -- Hesed Biomed
Anti-c-erbB2-anti-CD3 bifunctional MAb --	anti-HIV fusion protein -- Idun
Otsuka	anti-HIV proteins -- Cangene
Anti-CMV MAb -- Scotgen	Anti-HM1-24 MAb -- Chugai
Anti-CTLA-4 MAb	Anti-hR3 MAb
Anti-EGFR catalytic antibody -- Hesed	Anti-Human-Carcinoma-Antigen MAb --
Biomed	Epicyte
anti-EGFR immunotoxin -- IVAX	Anti-ICAM-1 MAb -- Boehringer Ingelheim
Anti-EGFR MAb -- Abgenix	Anti-ICAM-1 MAb 1A-29 -- Pharmacia
Anti-EGFR MAb 528	Anti-ICAM-1 MAb HA58
Anti-EGFR MAb KSB 107 -- KS Biomedix	Anti-ICAM-1 MAb YN1/1.7.4
Anti-EGFR MAb-DM1 conjugate --	Anti-ICAM-3 MAb ICM3 -- ICOS
ImmunoGen	Anti-idiotypic breast cancer vaccine 11D10
Anti-EGFR MAb-LA1 --	Anti-idiotypic breast cancer vaccine
Anti-EGFR sheep MAb -- KS Biomedix	ACA14C5 --
Anti-FAP MAb F19-I-131	Anti-idiotypic cancer vaccine -- ImClone
Anti-Fas IgM MAb CH11	Systems/Merck KGaA ImClone, Viventia
Anti-Fas MAb Jo2	Biotech
Anti-Fas MAb RK-8	Anti-idiotypic cancer vaccine 1A7 -- Titan
Anti-Flt-1 monoclonal antibodies -- ImClone	Anti-idiotypic cancer vaccine 3H1 -- Titan
Anti-fungal peptides -- State University of	Anti-idiotypic cancer vaccine TriAb -- Titan
New York	Anti-idiotypic Chlamydia trachomatis
antifungal tripeptides -- BTG	vaccine
Anti-ganglioside GD2 antibody-interleukin-2	Anti-idiotypic colorectal cancer vaccine --
fusion protein -- Lexigen	Novartis
Anti-GM2 MAb -- Kyowa	Anti-idiotypic colorectal cancer vaccine --
Anti-GM-CSF receptor monoclonal	Onyvax
antibodies -- AMRAD	Anti-idiotypic melanoma vaccine -- IDEC
Anti-gp130 MAb -- Tosoh	Pharmaceuticals
Anti-HCA monoclonal antibodies --	Anti-idiotypic ovarian cancer vaccine ACA
AltaRex/Epigen	125
Anti-hCG antibodies -- Abgenix/AVI	Anti-idiotypic ovarian cancer vaccine AR54 -
BioPharma	- AltaRex
Anti-heparanase human monoclonal	Anti-idiotypic ovarian cancer vaccine CA-
antibodies -- Oxford	125 -- AltaRex, Biomira
Glycosciences/Medarex	Anti-IgE catalytic antibody -- Hesed Biomed
Anti-hepatitis C virus human monoclonal	Anti-IgE MAb E26 -- Genentech
antibodies -- XTL Biopharmaceuticals	Anti-IGF-1 MAb
Anti-HER-2 antibody gene therapy	anti-inflammatory -- GeneMax
Anti-herpes antibody -- Epicyte	anti-inflammatory peptide -- BTG

FIG. 1D

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anti-integrin peptides -- Burnha	Anti-mu MAb -- Novartis
Anti-interferon-alpha-receptor MAb 64G12 -- Pharma Pacific Management	Anti-MUC-1 MAb
Anti-interferon-gamma MAb -- Protein Design Labs	Anti-Nogo-A MAb IN1
Anti-interferon-gamma polyclonal antibody - - Advanced Biotherapy	Anti-nuclear autoantibodies -- Procyon
Anti-interleukin-10 MAb --	Anti-ovarian cancer monoclonal antibodies -
Anti-interleukin-12 MAb --	- Dompe
Anti-interleukin-1-beta polyclonal antibody -- R&D Systems	Anti-p185 monoclonal antibodies
Anti-interleukin-2 receptor MAb 2A3	Anti-p43 MAb
Anti-interleukin-2 receptor MAb 33B3-1 -- Immunotech	Antiparasitic vaccines
Anti-interleukin-2 receptor MAb ART-18	Anti-PDGF/bFGF sheep MAb -- KS Biomedix
Anti-interleukin-2 receptor MAb LO-Tact-1	Anti-properdin monoclonal antibodies -- Abgenix/Gliatech
Anti-interleukin-2 receptor MAb Mikbeta1	Anti-PSMA MAb J591 -- BZL Biologics
Anti-interleukin-2 receptor MAb NDS61	Anti-Rev MAb gene therapy --
Anti-interleukin-4 MAb 11B11	Anti-RSV antibodies -- Epicyte, Intracell
Anti-interleukin-5 MAb -- Wallace Laboratories	Anti-RSV monoclonal antibodies -- Medarex/MedImmune, Applied Molecular Evolution/MedImmune
Anti-interleukin-6 MAb -- Centocor, Diaclone, Pharmadigm	Anti-RSV MAb, inhalation -- Alkermes/MedImmune
Anti-interleukin-8 MAb -- Xenotech	Anti-RT gene therapy
Anti-JL1 MAb	Antisense K-ras RNA gene therapy
Anti-Klebsiella sheep MAb -- KS Biomedix Holdings	Anti-SF-25 MAb
Anti-Laminin receptor MAb-liposomal doxorubicin conjugate	Anti-sperm antibody -- Epicyte
Anti-LCG MAb -- Cytoclinal	Anti-Tac(Fv)-PE38 conjugate
Anti-lipopolysaccharide MAb -- VitaResc	Anti-TAPA/CD81 MAb AMP1
Anti-L-selectin monoclonal antibodies -- Protein Design Labs, Abgenix, Stanford University	Anti-tat gene therapy
Anti-MBL monoclonal antibodies -- Alexion/Brigham and Women's Hospital	Anti-TCR-alphabeta MAb H57-597
Anti-MHC monoclonal antibodies	Anti-TCR-alphabeta MAb R73
Anti-MIF antibody humanised -- IDEC, Cytokine PharmaSciences	Anti-tenascin MAb BC-4-I-131
Anti-MRSA/VRSA sheep MAb -- KS Biomedix Holdings	Anti-TGF-beta human monoclonal antibodies -- Cambridge Antibody Tech., Genzyme
	Anti-TGF-beta MAb 2G7 -- Genentech
	Antithrombin III -- Genzyme Transgenics, Aventis, Bayer, Behringwerke, CSL, Myriad
	Anti-Thy1 MAb
	Anti-Thy1.1 MAb

FIG. 1E

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Anti-tissue factor/factor VIIA sheep MAb -- KS Biomedix	ARGENT gene delivery systems -- ARIAD
Anti-TNF monoclonal antibodies -- Centocor, Chiron, Peptech, Pharacia, Serono	Arresten
Anti-TNF sheep MAb -- KS Biomedix Holdings	ART-123 -- Asahi Kasei
Anti-TNFalpha MAb -- Genzyme	arylsulfatase B -- BioMarin
Anti-TNFalpha MAb B-C7 -- Diaclone	Arylsulfatase B, Recombinant human -- BioMarin
Anti-tooth decay MAb -- Planet BioTech.	AS 1051 -- Ajinomoto
antitumour RNases -- NIH	ASI-BCL -- Intracell
Anti-VCAM MAb 2A2 -- Alexion	ATL-101 -- Alizyme
Anti-VCAM MAb 3F4 -- Alexion	atrial natriuretic peptide -- Pharis
Anti-VCAM-1 MAb	Aurintricarboxylic acid-high molecular weight
Anti-VEC MAb -- ImClone	autoimmune disorders -- GPC Biotech/MorphoSys
Anti-VEGF MAb -- Genentech	Autoimmune disorders and transplant rejection -- Bristol-Myers Squibb/Genzyme
Anti-VEGF MAb 2C3	Tra
Anti-VEGF sheep MAb -- KS Biomedix Holdings	Autoimmune disorders/cancer -- Abgenix/Chiron, /CuraGen
Anti-VLA-4 MAb HP1/2 -- Biogen	Autotaxin
Anti-VLA-4 MAb PS/2	Avicidin -- NeoRx
Anti-VLA-4 MAb R1-2	axogenesis factor-1 -- Boston Life Sciences
Anti-VLA-4 MAb TA-2	Axokine -- Regeneron
Anti-VRE sheep MAb -- KS Biomedix Holdings	B cell lymphoma vaccine -- Biomira
ANUP -- TranXenoGen	B7-1 gene therapy --
ANUP-1 -- Pharis	BABS proteins -- Chiron
AOP-RANTES -- Senetek	BAM-002 -- Novelos Therapeutics
Apan-CH -- Praecis Pharmaceuticals	Bay-16-9996 -- Bayer
APC-8024 -- Demegen	Bay-39-9437 -- Bayer
ApoA-1 -- Milano, Pharmacia	Bay-50-4798 -- Bayer
Apogen -- Alexion	BB-10153 -- British Biotech
apolipoprotein A1 -- Avanir	BBT-001 -- Bolder BioTech.
Apolipoprotein E -- Bio-Tech. General	BBT-002 -- Bolder BioTech.
Applaggin -- Biogen	BBT-003 -- Bolder BioTech.
aprotinin -- ProdiGene	BBT-004 -- Bolder BioTech.
APT-070C -- AdProTech	BBT-005 -- Bolder BioTech.
AR 177 -- Aronex Pharmaceuticals	BBT-006 -- Bolder BioTech.
AR 209 -- Aronex Pharmaceuticals, Antigenics	BBT-007 -- Bolder BioTech.
AR545C	BCH-2763 -- Shire
	BCSF -- Millenium Biologix
	BDNF -- Regeneron -- Amgen

FIG. 1F

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Becaplermin -- Johnson & Johnson, Chiron	BST-3002 -- BioStratum
Bectumomab -- Immunomedics	BTI 322 --
Beta-adrenergic receptor gene therapy -- University of Arkansas	butyrylcholinesterase -- Shire
BI 51013 -- Behringwerke AG	C 6822 -- COR Therapeutics
BIBH 1 -- Boehringer Ingelheim	C1 esterase inhibitor -- Pharming
BIM-23190 -- Beaufour-Ipsen	C3d adjuvant -- AdProTech
birch pollen immunotherapy -- Pharmacia	CAB-2.1 -- Millennium
bispecific fusion proteins -- NIH	calcitonin -- Inhale Therapeutics Systems, Aventis, Genetronics, TranXenoGen, Unigene, Rhone Poulenc Rohrer
Bispecific MAb 2B1 -- Chiron	calcitonin -- oral -- Nobex, Emisphere, Pharmaceutical Discovery
Bitistatin	Calcitonin gene-related peptide -- Asahi Kasei -- Unigene
BIWA 4 -- Boehringer Ingelheim	calcitonin, human -- Suntory
blood substitute -- Northfield, Baxter Intl.	calcitonin, nasal -- Novartis, Unigene
BLP-25 -- Biomira	calcitonin, Panoderm -- Elan
BLS-0597 -- Boston Life Sciences	calcitonin, Peptitrol -- Shire
BLYS -- Human Genome Sciences	calcitonin, salmon -- Therapicon
BLYS radiolabelled -- Human Genome Sciences	calin -- Biopharm
BM 06021 -- Boehringer Mannheim	Calphobindin I
BM-202 -- BioMarin	calphobindin I -- Kowa
BM-301 -- BioMarin	calreticulin -- NYU
BM-301 -- BioMarin	Campath-1G
BM-302 -- BioMarin	Campath-1M
BMP 2 -- Genetics Institute/Medtronic- Sofamor Danek, Genetics Institute/ Collagenesis, Genetics Institute/Yamanouch	cancer therapy -- Cangene
BMP 2 gene therapy	cancer vaccine -- Aixlie, Aventis Pasteur, Center of Molecular Immunology, YM BioSciences, Cytos, Genzyme, Transgenics, GlobelImmune, Igeneon, ImClone, Virogenetics, InterCell, Iomai, Jenner Biotherapies, Memorial Sloan- Kettering Cancer Center, Sydney Kimmel Cancer Center, Novavax, Protein Sciences, Argonex, SIGA
BMP 52 -- Aventis Pasteur, Biopharm	Cancer vaccine ALVAC-CEA B7.1 -- Aventis Pasteur/Therion Biologics
BMP-2 -- Genetics Institute	Cancer vaccine CEA-TRICOM -- Aventis Pasteur/Therion Biologics
BMS 182248 -- Bristol-Myers Squibb	Cancer vaccine gene therapy -- Cantab Pharmaceuticals
BMS 202448 -- Bristol-Myers Squibb	
bone growth factors -- IsoTis	
BPC-15 -- Pfizer	
brain natriuretic peptide --	
Breast cancer -- Oxford GlycoSciences/Medarex	
Breast cancer vaccine -- Therion Biologics, Oregon	
BSSL -- PPL Therapeutics	
BST-2001 -- BioStratum	

FIG. 1G

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Cancer vaccine HER-2/neu -- Corixa	CETP vaccine -- Avant
Cancer vaccine THERATOPE -- Biomira	Cetrorelix
cancer vaccine, PolyMASC -- Valentis	Cetuximab
Candida vaccine -- Corixa, Inhibitex	CGH 400 -- Novartis
Canstatin -- ILEX	CGP 42934 -- Novartis
CAP-18 -- Panorama	CGP 51901 -- Tanox
Cardiovascular gene therapy -- Collateral Therapeutics	CGRP -- Unigene
carperitide -- Suntory	CGS 27913 -- Novartis
Casocidin-1 -- Pharis	CGS 32359 -- Novartis
CAT 152 -- Cambridge Antibody Tech.	Chagas disease vaccine -- Corixa
CAT 192 -- Cambridge Antibody Tech.	chemokines -- Immune Response
CAT 213 -- Cambridge Antibody Tech.	CHH 380 -- Novartis
Catalase -- Enzon	chitinase -- Genzyme, ICOS
Cat-PAD -- Circassia	Chlamydia pneumoniae vaccine -- Antex Biologics
CB 0006 -- Celltech	Chlamydia trachomatis vaccine -- Antex Biologics
CCK(27-32) -- Akzo Nobel	Chlamydia vaccine -- GlaxoSmithKline
CCR2-64I -- NIH	Cholera vaccine CVD 103-HgR -- Swiss Serum and Vaccine Institute Berne
CD, Procept -- Paligent	Cholera vaccine CVD 112 -- Swiss Serum and Vaccine Institute Berne
CD154 gene therapy	Cholera vaccine inactivated oral -- SBL Vaccin
CD39 -- Immunex	Chrysalin -- Chrysalis BioTech.
CD39-L2 -- Hyseq	CI-782 -- Hitachi Kase
CD39-L4 -- Hyseq	Ciliary neurotrophic factor -- Fidia, Roche
CD4 fusion toxin -- Senetek	CIM project -- Active Biotech
CD4 IgG -- Genentech	CL 329753 -- Wyeth-Ayerst
CD4 receptor antagonists -- Pharmacopeia/Progenics	CL22, Cobra -- ML Laboratories
CD4 soluble -- Progenics	Clenoliximab -- IDEC
CD4, soluble -- Genzyme Transgenics	Clostridium difficile antibodies -- Epicyte
CD40 ligand -- Immunex	clotting factors -- Octogene
CD4-ricin chain A -- Genentech	CMB 401 -- Celltech
CD59 gene therapy -- Alexion	CNTF -- Sigma-Tau
CD8 TIL cell therapy -- Aventis Pasteur	Cocaine abuse vaccine -- Cantab, ImmuLogic, Scripps
CD8, soluble -- Avidex	coccidiomycosis vaccine -- Arizo
CD95 ligand -- Roche	collagen -- Type I -- Pharming
CDP 571 -- Celltech	Collagen formation inhibitors -- FibroGen
CDP 850 -- Celltech	
CDP 870 -- Celltech	
CDS-1 -- Ernest Orlando	
Cedelizumab -- Ortho-McNeil	
Cetermin -- Insmmed	

FIG. 1H



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Collagen/hydroxyapatite/bone growth factor	CY 1747 -- Epimmune
-- Aventis Pasteur, Biopharm, Orquest	CY 1748 -- Epimmune
collagenase -- BioSpecifics	Cyanovirin-N
Colorectal cancer vaccine -- Wistar Institute	Cystic fibrosis therapy -- CBR/IVAX
Component B, Recombinant -- Serono	CYT 351
Connective tissue growth factor inhibitors --	cytokine Traps -- Regeneron
FibroGen/Taisho	cytokines -- Enzon, Cytoclonal
Contortrostatin	Cytomegalovirus glycoprotein vaccine --
contraceptive vaccine -- Zonagen	Chiron, Aquila Biopharmaceuticals,
Contraceptive vaccine hCG	Aventis Pasteur, Virogenetics
Contraceptive vaccine male reversible --	Cytomegalovirus vaccine live -- Aventis
IMMUCON	Pasteur
Contraceptive vaccine zona pellucida --	Cytosine deaminase gene therapy --
Zonagen	GlaxoSmithKline
Copper-64 labelled MAb TETA-1A3 -- NCI	DA-3003 -- Dong-A
Coralyne	DAB389interleukin-6 -- Senetek
Corsevin M	DAB389interleukin-7
C-peptide analogues -- Schwarz	DAMP <sup>Δ</sup> -- Incyte Genomics
CPI-1500 -- Consensus	Daniplestim -- Pharmacia
CRF -- Neurobiological Tech.	darbepoetin alfa -- Amgen
cRGDfV pentapeptide --	DBI-3019 -- Diabetogen
CRL 1095 -- CytRx	DCC -- Genzyme
CRL 1336 -- CytRx	DDF -- Hyseq
CRL 1605 -- CytRx	decorin -- Integra, Telios
CS-560 -- Sankyo	defensins -- Large Scale Biology
CSF -- ZymoGenetics	DEGR-VIIa
CSF-G -- Hangzhou, Dong-A, Hanmi	Deimmunised antibody 3B6/22 AGEN
CSF-GM -- Cangene, Hunan, LG Chem	Deimmunised anti-cancer antibodies --
CSF-M -- Zarix	Biovation/Viragen
CT 1579 -- Merck Frosst	Dendroamide A
CT 1786 -- Merck Frosst	Dengue vaccine -- Bavarian Nordic, Merck
CT-112 <sup>Δ</sup> -- BTG	denileukin difitox -- Ligand
CTB-134L -- Xenova	DES-1101 -- Desmos
CTC-111 -- Kaketsuken	desirudin -- Novartis
CTGF -- FibroGen	desmopressin -- Unigene
CTLA4-Ig -- Bristol-Myers Squibb	Desmoteplase -- Merck, Schering AG
CTLA4-Ig gene therapy --	Destabilase
CTP-37 -- AVI BioPharma	Diabetes gene therapy -- DeveloGen, Pfizer
C-type natriuretic peptide -- Suntory	Diabetes therapy -- Crucell
CVS 995 -- Corvas Intl.	Diabetes type 1 vaccine -- Diamyd
CX 397 -- Nikko Kyodo	Therapeutics

FIG. 11

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DiaCIM -- YM BioSciences	EGF-P64k vaccine -- Center of Molecular Immunology
dialytic oligopeptides -- Research Corp	EL 246 -- LigoCyte
Diamyd -- Diamyd Therapeutics	elastase inhibitor -- Synergen
DiaPep227-- Pepgen	elcatonin -- Therapicon
DiavaX -- Corixa	EMD 72000 -- Merck KGaA
Diphtheria tetanus pertussis-hepatitis B vaccine -- GlaxoSmithKline	Emdogain -- BIORA
DIR therapy -- Solis Therapeutics --	emfilermin -- AMRAD
DNase -- Genentech	Emoctakin -- Novartis
Dornase alfa -- Genentech	enamel matrix protein -- BIORA
Dornase alfa, inhalation -- Genentech	Endo III -- NYU
Doxorubicin-anti-CEA MAb conjugate -- Immunomedics	endostatin -- EntreMed, Pharis
DP-107 -- Trimeris	Enhancins -- Micrologix
drotrecogin alfa -- Eli Lilly	Enlimomab -- Isis Pharm.
DTctGMCSF	Enoxaparin sodium -- Pharmuka
DTP-polio vaccine -- Aventis Pasteur	enzyme linked antibody nutrient depletion therapy -- KS Biomedix Holdings
DU 257-KM231 antibody conjugate -- Kyowa	Eosinophil-derived neutralizing agent --
dural graft matrix -- Integra	EP-51216 -- Asta Medica
Dutepase -- Baxter Intl.	EP-51389 -- Asta Medica
DWP-401 -- Daewoong	EPH family ligands -- Regeneron
DWP-404 -- Daewoong	Epidermal growth factor -- Hitachi Kasei, Johnson & Johnson
DWP-408 -- Daewoong	Epidermal growth factor fusion toxin -- Senetek
E coli O157 vaccine -- NIH	Epidermal growth factor-genistein --
E21-R -- BresaGen	EPI-HNE-4 -- Dyax
Eastern equine encephalitis virus vaccine --	EPI-KAL2 -- Dyax
Echicetin --	Epoetin-alfa -- Amgen, Dragon Pharmaceuticals, Nanjing Huaxin
Echinhibin 1 --	Epratuzumab -- Immunomedics
Echistatin -- Merck	Epstein-Barr virus vaccine --
Echitamine --	Aviron/SmithKline Beecham, Bioresearch
EC-SOD -- PPL Therapeutics	Eptacog alfa -- Novo Nordisk
EDF -- Ajinomoto	Eptifibatide -- COR Therapeutics
EDN derivative -- NIH	erb-38 --
EDNA -- NIH	Erlizumab -- Genentech
Edobacomab -- XOMA	
Edrecolomab -- Centocor	
EF 5077	
Efalizumab -- Genentech	
EGF fusion toxin -- Seragen, Ligand	

FIG. 1J

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erythropoietin -- Alkermes, ProLease, Dong-A, Elanex, Genetics Institute, LG Chem, Protein Sciences, Serono, Snow Brand, SRC VB VECTOR, Transkaryotic Therapies	Felvizumab -- Scotgen
Erythropoietin Beta -- Hoffman La Roche	FFR-VIIa -- Novo Nordisk
Erythropoietin/Epoetin alfa -- Chugai	FG-001 -- F-Gene
Escherichia coli vaccine -- North American Vaccine, SBL Vaccin, Swiss Serum and Vaccine Institute Berne	FG-002 -- F-Gene
etanercept -- Immunex	FG-004 -- F-Gene
examorelin -- Mediolanum	FG-005 -- F-Gene
exonuclease VII	FGF + fibrin -- Repair
F 105 -- Centocor	Fibrimage -- Bio-Tech. General
F-992 -- Fomix	fibrin-binding peptides -- ISIS Innovation
Factor IX -- Alpha Therapeutics, Wellfide Corp., CSL, enetics Institute/AHP, Pharmacia, PPL Therapeutics	fibrinogen -- PPL Therapeutics, Pharming
Factor IX gene therapy -- Cell Genesys	fibroblast growth factor -- Chiron, NYU, Ramot, ZymoGenetics
Factor VII -- Novo Nordisk, Bayer, Baxter Intl.	fibrolase conjugate -- Schering AG
Factor VIIa -- PPL Therapeutics, ZymoGenetics	Filgrastim -- Amgen
Factor VIII -- Bayer Genentech, Beaufour-Ipsen, CLB, Inex, Octagen, Pharmacia, Pharming	filgrastim -- PDA modified -- Xencor
Factor VIII -- PEGylated -- Bayer	FLT-3 ligand -- Immunex
Factor VIII fragments -- Pharmacia	FN18 CRM9 --
Factor VIII gene therapy -- Targeted Genetics	follicle-stimulating hormone -- Biotech Australia, Human Therapeutics
Factor VIII sucrose formulation -- Bayer, Genentech	follicle-stimulating hormone alfa -- Alkermes, ProLease, PowderJect, Serono, Akzo Nobel
Factor VIII-2 -- Bayer	Follicle-stimulating hormone Beta -- Bayer, Organon
Factor VIII-3 -- Bayer	FP 59
Factor Xa inhibitors -- Merck, Novo Nordisk, Mochida	FSH -- Ferring
Factor XIII -- ZymoGenetics	FSH + LH -- Ferring
Factors VIII and IX gene therapy -- Genetics Institute/Targeted Genetics	F-spondin -- CeNeS
Famoxin -- Genset	fusion protein delivery system -- UAB Research Foundation
Fas (delta) TM protein -- LXR BioTech.	fusion toxins -- Boston Life Sciences
	G 5598 -- Genentech
	GA-II -- Transkaryotic Therapies
	Gamma-interferon analogues -- SRC VB VECTOR
	Ganirelix -- Roche
	gastric lipase -- Meristem
	Gavilimomab --
	G-CSF -- Amgen, SRC VB VECTOR
	GDF-1 -- CeNeS
	GDF-5 -- Biopharm
	GDNF -- Amgen

**FIG. 1K**

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gelsolin -- Biogen	H5N1 influenza A virus vaccine -- Protein Sciences
Gemtuzumab ozogamicin -- Celltech	haemoglobin -- Biopure
Gene-activated epoetin-alfa -- Aventis Pharma -- Transkaryotic Therapies	haemoglobin 3011, Recombinant -- Baxter Healthcare
Glanzmann thrombasthenia gene therapy --	haemoglobin crosfumaril -- Baxter Intl.
Glatiramer acetate -- Yeda	haemoglobin stabilized -- Ajinomoto
glial growth factor 2 -- CeNeS	haemoglobin, recombinant -- Apex
GLP-1 -- Amylin, Suntory, TheraTech, Watson	HAF -- Immune Response
GLP-1 peptide analogues -- Zealand Pharmaceuticals	Hantavirus vaccine
glucagon -- Eli Lilly, ZymoGenetics	HB 19
Glucagon-like peptide-1 7-36 amide -- Suntory	HBNF -- Regeneron
Glucocerebrosidase -- Genzyme	HCC-1 -- Pharis
glutamate decarboxylase -- Genzyme Transgenics	hCG -- Milkhaus
Glycoprotein S3 -- Kureha	hCG vaccine -- Zonagen
GM-CSF -- Immunex	HE-317 -- Hollis-Eden Pharmaceuticals
GM-CSF tumour vaccine -- PowderJect	Heat shock protein cancer and influenza vaccines -- StressGen
GnRH immunotherapeutic -- Protherics	Helicobacter pylori vaccine -- Acambis, AstraZeneca/CSL, Chiron, Provalis
gp75 antigen -- ImClone	Helistat-G -- GalaGen
gp96 -- Antigenics	Hemolink -- Hemosol
GPI 0100 -- Galenica	hepapoietin -- Snow Brand
GR 4991W93 -- GlaxoSmithKline	heparanase -- InSight
Granulocyte colony-stimulating factor -- Dong-A	heparinase I -- Ibex
Granulocyte colony-stimulating factor conjugate	heparinase III -- Ibex
grass allergy therapy -- Dynavax	Hepatitis A vaccine -- American Biogenetic Sciences
GRF1-44 -- ICN	Hepatitis A vaccine inactivated
Growth Factor -- Chiron, Atrigel, Atrix, Innogenetics, ZymoGenetics, Novo	Hepatitis A vaccine Nothav -- Chiron
growth factor peptides -- Biotherapeutics	Hepatitis A-hepatitis B vaccine -- GlaxoSmithKline
growth hormone -- LG Chem	hepatitis B therapy -- Tripep
growth hormone, Recombinant human -- Sero	Hepatitis B vaccine -- Amgen, Chiron SpA, Meiji Milk, NIS, Prodeva, PowderJect, Rhein Biotech
GT 4086 -- Gliatech	Hepatitis B vaccine recombinant -- Evans Vaccines, Eptec Comblotech, Genentech, MedImmune, Merck Sharp & Dohme, Rhein Biotech, Shantha Biotechnics, Vector, Yeda
GW 353430 -- GlaxoSmithKline	
GW-278884 -- GlaxoSmithKline	
H 11 -- Viventia Biotech.	

FIG. 1L

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Hepatitis B vaccine recombinant TGP 943 -- Takeda	HIV peptides -- American Home Products
Hepatitis C vaccine -- Bavarian Nordic, Chiron, Innogenetics Acambis,	HIV vaccine -- Applied bioTech., Axis Genetics, Biogen, Bristol-Myers Squibb, Genentech, Korea Green Cross, NIS, Oncogen, Protein Sciences Corporation, Terumo, Tonen Corporation, Wyeth-Ayerst, Wyeth-Lederle Vaccines-Malvern, Advanced BioScience Laboratories, Bavarian Nordic, Bavarian Nordic/Statens Serum Institute, GeneCure, Immune Response, Progenics, Therion Biologics, United Biomedical, Chiron
Hepatitis D vaccine -- Chiron Vaccines	
Hepatitis E vaccine recombinant -- Genelabs/GlaxoSmithKline, Novavax	
hepatocyte growth factor -- Panorama, Sosei	
hepatocyte growth factor kringle fragments - - EntreMed	
Her-2/Neu peptides -- Corixa	
Herpes simplex glycoprotein DNA vaccine -- Merck, Wyeth-Lederle Vaccines-Malvern, Genentech, GlaxoSmithKline, Chiron, Takeda	HIV vaccine vCP1433 -- Aventis Pasteur
Herpes simplex vaccine -- Cantab Pharmaceuticals, CEL-SCI, Henderson Morley	HIV vaccine vCP1452 -- Aventis Pasteur
Herpes simplex vaccine live -- ImClone Systems/Wyeth-Lederle, Aventis Pasteur	HIV vaccine vCP205 -- Aventis Pasteur
HGF derivatives -- Dompe	HL-9 -- American BioScience
hIAPP vaccine -- Crucell	HM-9239 -- Cytran
Hib-hepatitis B vaccine -- Aventis Pasteur	HML-103 -- Hemosol
HIC 1	HML-104 -- Hemosol
HIP-- Altachem	HML-105 -- Hemosol
Hirudins -- Biopharma, Cangene, Dongkook, Japan Energy Corporation, Pharmacia Corporation, SIR International, Sanofi-Synthelabo, Sotragene, Rhein Biotech	HML-109 -- Hemosol
HIV edible vaccine -- ProdiGene	HML-110 -- Hemosol
HIV gp120 vaccine -- Chiron, Ajinomoto, GlaxoSmithKline, ID Vaccine, Progenics, VaxGen	HML-121 -- Hemosol
HIV gp120 vaccine gene therapy --	hNLP -- Pharis
HIV gp160 DNA vaccine -- PowderJect, Aventis Pasteur, Oncogen, Hyland Immuno, Protein Sciences	Hookworm vaccine
HIV gp41 vaccine -- Panacos	host-vector vaccines -- Henogen
HIV HGP-30W vaccine -- CEL-SCI	HPM 1 -- Chugai
HIV immune globulin -- Abbott, Chiron	HPV vaccine -- MediGene
	HSA -- Meristem
	HSF -- StressGen
	HSP carriers -- Weizmann, Yeda, Peptor
	HSPPC-70 -- Antigenics
	HSPPC-96 -- pathogen-derived -- Antigenics
	HSV 863 -- Novartis
	HTLV-I DNA vaccine
	HTLV-I vaccine
	HTLV-II vaccine -- Access
	HU 901 -- Tanox
	Hu23F2G -- ICOS
	HuHMFG1

**FIG. 1M**

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HumaLYM -- Intracell	HuMax-IL15 -- Genmab
Human krebs statika -- Yamanouchi	HYB 190 -- Hybridon
human monoclonal antibodies --	HYB 676 -- Hybridon
Abgenix/Biogen, Abgenix/ Corixa,	I-125 MAb A33 -- Celltech
Abgenix/Immunex, Abgenix/Lexicon,	Ibritumomab tiuxetan -- IDEC
Abgenix/ Pfizer, Athersys/Medarex,	IBT-9401 -- Ibex
Biogen/MorphoSys, CAT/Searle,	IBT-9402 -- Ibex
Centocor/Medarex, Corixa/Kirin Brewery,	IC 14 -- ICOS
Corixa/Medarex, Eos BioTech./Medarex,	Idarubicin anti-Ly-2.1 --
Eos/Xenerex, Exelixis/Protein Design	IDEC 114 -- IDEC
Labs, ImmunoGen/ Raven,	IDEC 131 -- IDEC
Medarex/B.Twelve,	IDEC 152 -- IDEC
MorphoSys/ImmunoGen, XTL	IDM 1 -- IDM
Biopharmaceuticals/Dyax,	IDPS -- Hollis-Eden Pharmaceuticals
Human monoclonal antibodies --	iduronate-2-sulfatase -- Transkaryotic
Medarex/Northwest Biotherapeutics,	Therapies
Medarex/Seattle Genetics	IGF/IBP-2-13 -- Pharis
human netrin-1 -- Exelixis	IGN-101 -- Igeneon
human papillomavirus antibodies -- Epicyte	IK HIR02 -- Iketon
Human papillomavirus vaccine -- Biotech	IL-11 -- Genetics Institute/AHP
Australia, IDEC, StressGen	IL-13-PE38 -- NeoPharm
Human papillomavirus vaccine MEDI 501 --	IL-17 receptor -- Immunex
MedImmune/GlaxoSmithKline	IL-18BP -- Yeda
Human papillomavirus vaccine MEDI	IL-1Hy1 -- Hyseq
503/MEDI 504 --	IL-1 $\beta$ -- Celltech
MedImmune/GlaxoSmithKline	IL-1 $\beta$ adjuvant -- Celltech
Human papillomavirus vaccine TA-CIN --	IL-2 -- Chiron
Cantab Pharmaceuticals	IL-2 + IL-12 -- Hoffman La-Roche
Human papillomavirus vaccine TA-HPV --	IL-6/sIL-6R fusion -- Hadasit
Cantab Pharmaceuticals	IL-6R derivative -- Tosoh
Human papillomavirus vaccine TH-GW --	IL-7-Dap 389 fusion toxin -- Ligand
Cantab/GlaxoSmithKline	IM-862 -- Cytran
human polyclonal antibodies -- Biosite/Eos	IMC-1C11 -- ImClone
BioTech./ Medarex	imiglucerase -- Genzyme
human type II anti factor VIII monoclonal	Immune globulin intravenous (human) --
antibodies -- ThromboGenics	Hoffman La Roche
humanised anti glycoprotein Ib murine	immune privilege factor -- Proneuron
monoclonal antibodies -- ThromboGenics	Immunocal -- Immunotec
HumaRAD -- Intracell	Immunogene therapy -- Briana Bio-Tech
HuMax EGFR -- Genmab	Immunoliposomal 5-fluorodeoxyuridine-
HuMax-CD4 -- Medarex	dipalmitate --

**FIG. 1N**

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immunosuppressant vaccine -- Aixlie	integrin antagonists -- Merck
immunotoxin -- Antisoma, NIH	interferon (Alpha2) -- SRC VB VECTOR,
ImmuRAIT-Re-188 -- Immunomedics	Viragen, Dong-A, Hoffman La-Roche,
imreg-1 -- Imreg	Genentech
infertility -- Johnson & Johnson, E-TRANS	interferon -- BioMedicines, Human Genome
Influenza virus vaccine -- Aventis Pasteur,	Sciences
Protein Sciences	interferon (Alfa-n3)—Interferon Sciences
inhibin -- Biotech Australia, Human	Intl.
Therapeutics	interferon (Alpha), Biphaxix -- Helix
Inhibitory G protein gene therapy	interferon (Alpha)—Amgen, BioNative,
INKP-2001 -- InKine	Novartis, Genzyme Transgenics,
Inolimomab -- Diaclone	Hayashibara, Inhale Therapeutics
insulin -- AutoImmune, Altea, Biobras,	Systems, Medusa, Flamel, Dong-A,
BioSante, Bio-Tech. General, Chong Kun	GeneTrol, Nastech, Shantha,
Dang, Emisphere, Flamel, Provalis, Rhein	Wassermann, LG Chem, Sumitomo,
Biotech, TranXenoGen	Aventis, Behring EGIS, Pepgen, Servier,
insulin (bovine) -- Novartis	Rhein Biotech,
insulin analogue -- Eli Lilly	interferon (Alpha2A)
Insulin Aspart -- Novo Nordisk	interferon (Alpha2B) -- Enzon, Schering-
insulin detemir -- Novo Nordisk	Plough, Biogen, IDEA
insulin glargine -- Aventis	interferon (Alpha-N1) -- GlaxoSmithKline
insulin inhaled -- Inhale Therapeutics	interferon (beta) -- Rentschler, GeneTrol,
Systems, Alkermes	Meristem, Rhein Biotech, Toray, Yeda,
insulin oral -- Inovax	Daiichi, Mochida
insulin, AeroDose -- AeroGen	interferon (Beta1A) -- Serono, Biogen
insulin, AERx -- Aradigm	interferon (beta1A), inhale -- Biogen
insulin, BEODAS -- Elan	interferon ( $\beta$ 1b) -- Chiron
insulin, Biphaxix -- Helix	interferon (tau) -- Pepgen
insulin, buccal -- Generex	Interferon alfacon-1 -- Amgen
insulin, I2R -- Flemington	Interferon alpha-2a vaccine
insulin, intranasal -- Bentley	Interferon Beta 1b -- Schering/Chiron,
insulin, oral -- Nobex, Unigene	InterMune
insulin, Orasome -- Endorex	Interferon Gamma -- Boehringer Ingelheim,
insulin, ProMaxx -- Epic	Sheffield, Rentschler, Hayashibara
insulin, Quadrant -- Elan	interferon receptor, Type I -- Serono
insulin, recombinant -- Aventis	interferon(Gamma1B) -- Genentech
insulin, Spiros -- Elan	Interferon-alpha-2b + ribavirin -- Biogen,
insulin, Transfersome -- IDEA	ICN
insulin, Zymo, recombinant -- Novo Nordisk	Interferon-alpha-2b gene therapy --
insulinotropin -- Scios	Schering-Plough
Insulysin gene therapy --	Interferon-con1 gene therapy --

FIG. 10

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interleukin-1 antagonists -- Dompe	IPF -- Metabolex
Interleukin-1 receptor antagonist -- Abbott	IR-501 -- Immune Response
Bioresearch, Pharmacia	ISIS 9125 -- Isis Pharmaceuticals
Interleukin-1 receptor type I -- Immunex	ISURF No. 1554 -- Millennium
interleukin-1 receptor Type II -- Immunex	ISURF No. 1866 -- Iowa State Univer.
Interleukin-10 -- DNAX, Schering-Plough	ITF-1697 -- Italfarmaco
Interleukin-10 gene therapy --	IxC 162 -- Ixion
interleukin-12 -- Genetics Institute, Hoffman	J 695 -- Cambridge Antibody Tech.,
La-Roche	Genetics Inst., Knoll
interleukin-13 -- Sanofi	Jagged + FGF -- Repair
interleukin-13 antagonists -- AMRAD	JKC-362 -- Phoenix Pharmaceuticals
Interleukin-13-PE38QQR	JTP-2942 -- Japan Tobacce
interleukin-15 -- Immunex	Juman monoclonal antibodies --
interleukin-16 -- Research Corp	Medarex/Raven
interleukin-18 -- GlaxoSmithKline	K02 -- Axys Pharmaceuticals
Interleukin-1-alpha -- Immunex/Roche	Keliximab -- IDEC
interleukin-2 -- SRC VB VECTOR,	Keyhole limpet haemocyanin
Ajinomoto, Biomira	KGF -- Amgen
Interleukin-3 -- Cangene	KM 871 -- Kyowa
Interleukin-4 -- Immunology Ventures,	KPI 135 -- Scios
Sanofi Winthrop, Schering-Plough,	KPI-022 -- Scios
Immunex/ Sanofi Winthrop, Bayer, Ono	Kringle 5
interleukin-4 + TNF-Alpha -- NIH	KSB 304
interleukin-4 agonist -- Bayer	KSB-201 -- KS Biomedix
interleukin-4 fusion toxin -- Ligand	L 696418 -- Merck
Interleukin-4 receptor -- Immunex, Immun	L 703801 -- Merck
Interleukin-6 -- Ajinomoto, Cangene, Yeda,	L1 -- Acorda
Genetics Institute, Novartis	L-761191 -- Merck
interleukin-6 fusion protein --	lactoferrin -- Meristem, Pharming, Agennix
interleukin-6 fusion toxin -- Ligand, Serono	lactoferrin cardio -- Pharming
interleukin-7 -- IC Innovations	LAG-3 -- Serono
interleukin-7 receptor -- Immunex	LAIT -- GEMMA
interleukin-8 antagonists -- Kyowa	LAK cell cytotoxin -- Arizona
Hakko/Millennium/Pfizer	lamellarins -- PharmaMar/University of
interleukin-9 antagonists -- Genaera	Malaga
Interleukins -- Cel-Sci	laminin A peptides -- NIH
Iodine I 131 tositumomab -- Corixa	lanoteplase -- Genetics Institute
ior EPOCIM -- Center of Molecular	laronidase -- BioMarin
Immunology	Lassa fever vaccine
Ior-P3 -- Center of Molecular Immunology	LCAT -- NIH
IP-10 -- NIH	LDP 01 -- Millennium

**FIG. 1P**



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LDP 02 -- Millennium  
 Lecithinized superoxide dismutase --  
     Seikagaku  
 LeIF adjuvant --- Corixa  
 leishmaniasis vaccine -- Corixa  
 lenercept -- Hoffman La-Roche  
 Lenograstim -- Aventis, Chugai  
 lepirudin -- Aventis  
 leptin -- Amgen, IC Innovations  
 Leptin gene therapy -- Chiron Corporation  
 leptin, 2nd-generation -- Amgen  
 leridistim -- Pharmacia  
 leuprolide, ProMaxx -- Epic  
 leuprorelin, oral -- Unigene  
 LeuTech -- Papatin  
 LEX 032 -- SuperGen  
 LIDEPT -- Novartis  
 lipase -- Altus Biologics  
 lipid A vaccine -- EntreMed  
 lipid-linked anchor Tech. -- ICRT, ID  
     Biomedical  
 liposome-CD4 Tech. --- Sheffield  
 Listeria monocytogenes vaccine  
 LMB 1  
 LMB 7  
 LMB 9 -- Battelle Memorial Institute, NIH  
 LM-CD45 --- Cantab Pharmaceuticals  
 lovastatin -- Merck  
 LSA-3  
 LT- $\beta$  receptor -- Biogen  
 lung cancer vaccine -- Corixa  
 lusupultide -- Scios  
 L-Vax -- AVAX  
 LY 355455 -- Eli Lilly  
 LY 366405 -- Eli Lilly  
 LY-355101 -- Eli Lilly  
 Lyme disease DNA vaccine -- Vical/Aventis  
     Pasteur  
 Lyme disease vaccine -- Aquila  
     Biopharmaceuticals, Aventis, Pasteur,  
     Symbicom, GlaxoSmithKline, Hyland  
     Immuno, MedImmune  
 Lymphocytic choriomeningitis virus vaccine  
 lymphoma vaccine -- Biomira, Genitope  
 LYP18  
 lys plasminogen, recombinant  
 Lysosomal storage disease gene therapy --  
     Avigen  
 lysostaphin -- Nutrition 21  
 M 23 -- Gruenenthal  
 M1 monoclonal antibodies -- Acorda  
     Therapeutics  
 MA 16N7C2 -- Corvas Intl.  
 malaria vaccine -- GlaxoSmithKline,  
     AdProTech, Antigenics, Apovia, Aventis  
     Pasteur, Axis Genetics, Behringwerke,  
     CDCP, Chiron Vaccines, Genzyme  
     Transgenics, Hawaii, MedImmune, NIH,  
     NYU, Oxxon, Roche/Saramane, Biotech  
     Australia, Rx Tech  
 Malaria vaccine CDC/NIIMALVAC-1  
 malaria vaccine, multicomponent  
 mammaglobin -- Corixa  
 mammastatin -- Biotherapeutics  
 mannan-binding lectin -- NatlImmu  
 mannan-MUC1 -- Psiron  
 MAP 30  
 Marinovir -- Phytera  
 MARstem -- Maret  
 MB-015 -- Mochida  
 MBP -- ImmuLogic  
 MCI-028 --- Mitsubishi-Tokyo  
 MCIF -- Human Genome Sciences  
 MDC -- Advanced BioScience -- Akzo  
     Nobel, ICOS  
 MDX 11 -- Medarex  
 MDX 210 -- Medarex  
 MDX 22 -- Medarex  
 MDX 22

FIG. 1Q

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MDX 240 -- Medarex	Methionine lyase gene therapy --
MDX 33	AntiCancer
MDX 44 -- Medarex	Met-RANTES -- Genexa Biomedical,
MDX 447 -- Medarex	Serono
MDX H210 -- Medarex	Metreleptin
MDX RA -- Houston BioTech., Medarex	MGDF -- Kirin
ME-104 -- Pharmexa	MGV -- Progenics
Measles vaccine	micrin -- Endocrine
Mecasemin -- Cephalon/Chiron, Chiron	microplasmin -- ThromboGenics
MEDI 488 -- MedImmune	MIF -- Genetics Institute
MEDI 500	migration inhibitory factor -- NIH
MEDI 507 -- BioTransplant	Mim CD4.1 -- Xycte Therapies
melanin concentrating hormone --	mirostipen -- Human Genome Sciences
Neurocrine Biosciences	MK 852 -- Merck
melanocortins -- OMRF	Mobenakin -- NIS
Melanoma monoclonal antibodies -- Viragen	molgramostim -- Genetics Institute, Novartis
melanoma vaccine -- GlaxoSmithKline,	monoclonal antibodies -- Abgenix/Celltech,
Akzo Nobel, Avant, Aventis Pasteur,	Immusol/ Medarex, Viragen/ Roslin
Bavarian Nordic, Biovector, CancerVax,	Institute, Cambridge Antibody Tech./Elan
Genzyme Molecular Oncology, Humbolt,	MAb 108 --
ImClone Systems, Memorial, NYU, Oxxon	MAb 10D5 --
Melanoma vaccine Magevac -- Therion	MAb 14.18-interleukin-2 immunocytokine --
memory enhancers -- Scios	Lexigen
meningococcal B vaccine -- Chiron	MAb 14G2a --
meningococcal vaccine -- CAMR	MAb 15A10 --
Meningococcal vaccine group B conjugate -	MAb 170 -- Biomira
- North American Vaccine	MAb 177Lu CC49 --
Meningococcal vaccine group B	MAb 17F9
recombinant -- BioChem Vaccines,	MAb 1D7
Microscience	MAb 1F7 -- Immune Network
Meningococcal vaccine group Y conjugate -	MAb 1H10-doxorubicin conjugate
- North American Vaccine	MAb 26-2F
Meningococcal vaccine groups A B and C	MAb 2A11
conjugate -- North American Vaccine	MAb 2E1 -- RW Johnson
Mepolizumab -- GlaxoSmithKline	MAb 2F5
Metastatin -- EntreMed, Takeda	MAb 31.1 -- International BioImmune
Met-CkB7 -- Human Genome Sciences	Systems
met-enkephalin -- TNI	MAb 32 -- Cambridge Antibody Tech.,
METH-1 -- Human Genome Sciences	Peptech
methioninase -- AntiCancer	MAb 323A3 -- Centocor
	MAb 3C5

FIG. 1R

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MAb 3F12	MAb C242-PE conjugate
MAb 3F8	MAb c30-6
MAb 42/6	MAb CA208-cytorhodin-S conjugate --
MAb 425 -- Merck KGaA	Hoechst Japan
MAb 447-52D -- Merck Sharp & Dohme	MAb CC49 -- Enzon
MAb 45-2D9- -- haematoporphyrin	MAb ch14.18 --
conjugate	MAb CH14.18-GM-CSF fusion protein --
MAb 4B4	Lexigen
MAb 4E3-CPA conjugate -- BCM Oncologia	MAb chCE7
MAb 4E3-daunorubicin conjugate	MAb CI-137 -- AMRAD
MAb 50-6	MAb cisplatin conjugate
MAb 50-61A -- Institut Pasteur	MAb CLB-CD19
MAb 5A8 -- Biogen	MAb CLB-CD19v
MAb 791T/36-methotrexate conjugate	MAb CLL-1 -- Peregrine
MAb 7c11.e8	MAb CLL-1-GM-CSF conjugate
MAb 7E11 C5-selenocystamine conjugate	MAb CLL-1-IL-2 conjugate -- Peregrine
MAb 93KA9 -- Novartis	MAb CLN IgG -- doxorubicin conjugates
MAb A5B7-cisplatin conjugate --	MAb conjugates -- Tanox
Biodynamics Research, Pharmacia	MAb D612
MAb A5B7-I-131	MAb Dal B02
MAb A7	MAb DC101 -- ImClone
MAb A717 -- Exocell	MAb EA 1 --
MAb A7-zinostatin conjugate	MAb EC708 -- Biovation
MAb ABX-RB2 -- Abgenix	MAb EP-5C7 -- Protein Design Labs
MAb ACA 11	MAb ERIC-1 -- ICRT
MAb AFP-I-131 -- Immunomedics	MAb F105 gene therapy
MAb AP1	MAb FC 2.15
MAb AZ1	MAb G250 -- Centocor
MAb B3-LysPE40 conjugate	MAb GA6
MAb B4 -- United Biomedical	MAb GA733
MAb B43 Genistein-conjugate	MAb Gliomab-H -- Viventia Biotech
MAb B43.13-Tc-99m -- Biomira	MAb HB2-saporin conjugate
MAb B43-PAP conjugate	MAb HD 37 --
MAb B4G7-gelonin conjugate	MAb HD37-ricin chain-A conjugate
MAb BCM 43-daunorubicin conjugate --	MAb HNK20 -- Acambis
BCM Oncologia	MAb huN901-DM1 conjugate --
MAb BIS-1	ImmunoGen
MAb BMS 181170 -- Bristol-Myers Squibb	MAb I-131 CC49 -- Corixa
MAb BR55-2	MAb ICO25
MAb BW494	MAb ICR12-CPG2 conjugate
MAb C 242-DM1 conjugate -- ImmunoGen	MAb ICR-62

FIG. 1S

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MAB IRac-ricin A conjugate	MAB R-24
MAB K1	MAB R-24 $\alpha$ Human GD3 -- Celltech
MAB KS1-4-methotrexate conjugate	MAB RFB4-ricin chain A conjugate
MAB L6 -- Bristol-Myers Squibb, Oncogen	MAB RFT5-ricin chain A conjugate
MAB LiCO 16-88	MAB SC 1
MAB LL2-I-131 -- Immunomedics	MAB SM-3 -- ICRT
MAB LL2-Y-90	MAB SMART 1D10 -- Protein Design Labs
MAB LS2D617 -- Hybritech	MAB SMART ABL 364 -- Novartis
MAB LYM-1-gelonin conjugate	MAB SN6f
MAB LYM-1-I-131	MAB SN6f-deglycosylated ricin A chain
MAB LYM-1-Y-90	conjugate --
MAB LYM-2 -- Peregrine	MAB SN6j
MAB M195	MAB SN7-ricin chain A conjugate
MAB M195-bismuth 213 conjugate --	MAB T101-Y-90 conjugate -- Hybritech
Protein Design Labs	MAB T-88 -- Chiron
MAB M195-gelonin conjugate	MAB TB94 -- Cancer ImmunoBiology
MAB M195-I-131	MAB TEC 11
MAB M195-Y-90	MAB TES-23 -- Chugai
MAB MA 33H1 -- Sanofi	MAB TM31 -- Avant
MAB MAD11	MAB TNT-1 -- Cambridge Antibody Tech.,
MAB MGB2	Peregrine
MAB MINT5	MAB TNT-3
MAB MK2-23	MAB TNT-3 -- IL2 fusion protein --
MAB MOC31 ETA(252-613) conjugate	MAB TP3-At-211
MAB MOC-31-In-111	MAB TP3-PAP conjugate --
MAB MOC-31-PE conjugate	MAB UJ13A -- ICRT
MAB MR6 --	MAB UN3
MAB MRK-16 -- Aventis Pasteur	MAB ZME-018-gelonin conjugate
MAB MS11G6	MAB-BC2 -- GlaxoSmithKline
MAB MX-DTPA BrE-3	MAB-DM1 conjugate -- ImmunoGen
MAB MY9	MAB-ricin-chain-A conjugate -- XOMA
MAB Nd2 -- Tosoh	MAB-temoporfin conjugates
MAB NG-1 -- Hygeia	Monopharm C -- Viventia Biotech
MAB NM01 -- Nissin Food	monteplase -- Eisai
MAB OC 125	montirelin hydrate -- Gruenenthal
MAB OC 125-CMA conjugate	moroctocog alfa -- Genetics Institute
MAB OKI-1 -- Ortho-McNeil	Moroctocog-alfa -- Pharmacia
MAB OX52 -- Bioproducts for Science	MP 4
MAB PMA5	MP-121 -- Biopharm
MAB PR1	MP-52 -- Biopharm
MAB prost 30	MRA -- Chugai

FIG. 1T

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MS 28168 -- Mitsui Chemicals, Nihon Schering	Neuroprotective vaccine -- University of Auckland
MSH fusion toxin -- Ligand	neurotrophic chimaeras -- Regeneron
MSI-99 -- Genaera	neurotrophic factor -- NsGene, CereMedix
MT 201 -- Micromet	NeuroVax -- Immune Response
Muc-1 vaccine -- Corixa	neurturin -- Genentech
mucosal tolerance -- Aberdeen	neutral endopeptidase -- Genentech
mullerian inhibiting subst	NGF enhancers -- NeuroSearch
muplestim -- Genetics Institute, Novartis, DSM Anti-Infectives	NHL vaccine -- Large Scale Biology
murine MAb -- KS Biomedix	NIP45 -- Boston Life Sciences
Mutant somatropin -- JCR Pharmaceutical	NKI-B20
MV 833 -- Toagosei	NM 01 -- Nissin Food
Mycoplasma pulmonis vaccine	NMI-139 -- NitroMed
Mycoprex -- XOMA	NMMP -- Genetics Institute
myeloperoxidase -- Henogen	NN-2211 -- Novo Nordisk
myostatin -- Genetics Institute	Noggin -- Regeneron
Nacolomab tafenatox -- Pharmacia	Nonacog alfa
nagrestipen -- British Biotech	Norelin -- Biostar
NAP-5 -- Corvas Intl.	Norwalk virus vaccine
NAPc2 -- Corvas Intl.	NRLU 10 -- NeoRx
nartograstim -- Kyowa	NRLU 10 PE -- NeoRx
Natalizumab -- Protein Design Labs	NT-3 -- Regeneron
Nateplase -- NIH, Nihon Schering	NT-4/5 -- Genentech
nateplase -- Schering AG	NU 3056
NBI-3001 -- Neurocrine Biosci.	NU 3076
NBI-5788 -- Neurocrine Biosci.	NX 1838 -- Gilead Sciences
NBI-6024 -- Neurocrine Biosci.	NY ESO-1/CAG-3 antigen -- NIH
Nef inhibitors -- BRI	NYVAC-7 -- Aventis Pasteur
Neisseria gonorrhoea vaccine -- Antex Biologics	NZ-1002 -- Novazyme
Neomycin B-arginine conjugate	obesity therapy -- Nobex
Nerelimomab -- Chiron	OC 10426 -- Ontogen
Nerve growth factor -- Amgen -- Chiron, Genentech	OC 144093 -- Ontogen
Nerve growth factor gene therapy	OCIF -- Sankyo
nesiritide citrate -- Scios	Oct-43 -- Otsuka
neuregulin-2 -- CeNeS	OK PSA - liposomal
neurocan -- NYU	OKT3-gamma-1-ala-ala
neuronal delivery system -- CAMR	OM 991
	OM 992
	Omalizumab -- Genentech
	oncoimmunin-L -- NIH
	Oncolysin B -- ImmunoGen

FIG. 1U

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Oncolysin CD6 -- ImmunoGen	PAM 4 -- Merck
Oncolysin M -- ImmunoGen	pamiteplase -- Yamanouchi
Oncolysin S -- ImmunoGen	pancreatin, Minitabs -- Eurand
Oncophage -- Antigenics	Pangen -- Fournier
Oncostatin M -- Bristol-Myers Squibb	Pantarin -- Selective Genetics
OncoVax-CL -- Jenner Biotherapies	Parainfluenza virus vaccine -- Pharmacia,
OncoVax-P -- Jenner Biotherapies	Pierre Fabre
onercept -- Yeda	paraoxanase -- Esperion
onychomycosis vaccine -- Boehringer	parathyroid hormone -- Abiogen, Korea
Ingelheim	Green Cross
opebecan -- XOMA	Parathyroid hormone (1-34) --
opioids -- Arizona	Chugai/Suntory
Oprelvekin -- Genetics Institute	Parkinson's disease gene therapy -- Cell
Org-33408 b-- Akzo Nobel	Genesys/ Ceregene
Orolip DP -- EpiCept	Parvovirus vaccine -- MedImmune
oryzacyclatin	PCP-Scan -- Immunomedics
OSA peptides -- GenSci Regeneration	PDGF cocktail -- Theratechnologies
osteoblast-cadherin GF -- Pharis	peanut allergy therapy -- Dynavax
Osteocalcin-thymidine kinase gene therapy	PEG anti-ICAM MAb -- Boehringer
osteogenic protein -- Curis	Ingelheim
osteopontin -- OraPharma	PEG asparaginase -- Enzon
osteoporosis peptides -- Integra, Telios	PEG glucocerebrosidase
osteoprotegerin -- Amgen, SnowBrand	PEG hirudin -- Knoll
otitis media vaccines -- Antex Biologics	PEG interferon-alpha-2a -- Roche
ovarian cancer -- University of Alabama	PEG interferon-alpha-2b + ribavirin --
OX40-IgG fusion protein -- Cantab, Xenova	Biogen, Enzon, ICN Pharmaceuticals,
P 246 -- Diatide	Schering-Plough
P 30 -- Alfacell	PEG MAb A5B7 --
p1025 -- Active Biotech	Pegacaristim -- Amgen -- Kirin Brewery --
P-113 <sup>A</sup> -- Demegen	ZymoGenetics
P-16 peptide -- Transition Therapeutics	Pegaldesleukin -- Research Corp
p43 -- Ramot	pegaspargase -- Enzon
P-50 peptide -- Transition Therapeutics	pegfilgrastim -- Amgen
p53 + RAS vaccine -- NIH, NCI	PEG-interferon Alpha -- Viragen
PACAP(1-27) analogue	PEG-interferon Alpha 2A -- Hoffman La-
paediatric vaccines -- Chiron	Roche
Pafase -- ICOS	PEG-interferon Alpha 2B -- Schering-
PAGE-4 plasmid DNA -- IDEC	Plough
PAI-2 -- Biotech Australia, Human	PEG-r-hirudin -- Abbott
Therapeutics	PEG-uricase -- Mountain View
Palivizumab -- MedImmune	Pegvisomant -- Genentech

FIG. 1V

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PEGylated proteins, PolyMASC -- Valentis Pharmaprojects No. 5947 -- StressGen  
 PEGylated recombinant native human leptin Pharmaprojects No. 5961 --  
 -- Roche Theratechnologies  
 Pemtumomab Pharmaprojects No. 5962 -- NIH  
 Penetratin -- Cyclacel Pharmaprojects No. 5966 -- NIH  
 Pepscan -- Antisoma Pharmaprojects No. 5994 -- Pharming  
 peptide G -- Peptech, ICRT Pharmaprojects No. 5995 -- Pharming  
 peptide vaccine -- NIH, NCI Pharmaprojects No. 6023 -- IMMUCON  
 Pexelizumab Pharmaprojects No. 6063 -- Cytoclonal  
 pexiganan acetate -- Genaera Pharmaprojects No. 6073 -- SIDDCO  
 Pharmaprojects No. 3179 -- NYU Pharmaprojects No. 6115 -- Genzyme  
 Pharmaprojects No. 3390 -- Ernest Orlando Pharmaprojects No. 6227 -- NIH  
 Pharmaprojects No. 3417 -- Sumitomo Pharmaprojects No. 6230 -- NIH  
 Pharmaprojects No. 3777 -- Acambis Pharmaprojects No. 6236 -- NIH  
 Pharmaprojects No. 4209 -- XOMA Pharmaprojects No. 6243 -- NIH  
 Pharmaprojects No. 4349 -- Baxter Intl. Pharmaprojects No. 6244 -- NIH  
 Pharmaprojects No. 4651 Pharmaprojects No. 6281 -- Senetek  
 Pharmaprojects No. 4915 -- Avanir Pharmaprojects No. 6365 -- NIH  
 Pharmaprojects No. 5156 -- Rhizogenics Pharmaprojects No. 6368 -- NIH  
 Pharmaprojects No. 5200 -- Pfizer Pharmaprojects No. 6373 -- NIH  
 Pharmaprojects No. 5215 -- Origene Pharmaprojects No. 6408 -- Pan Pacific  
 Pharmaprojects No. 5216 -- Origene Pharmaprojects No. 6410 -- Athersys  
 Pharmaprojects No. 5218 -- Origene Pharmaprojects No. 6421 -- Oxford  
 Pharmaprojects No. 5267 -- ML GlycoSciences  
 Laboratories Pharmaprojects No. 6522 -- Maxygen  
 Pharmaprojects No. 5373 -- MorphoSys Pharmaprojects No. 6523 -- Pharis  
 Pharmaprojects No. 5493 -- Metabolex Pharmaprojects No. 6538 -- Maxygen  
 Pharmaprojects No. 5707 -- Genentech Pharmaprojects No. 6554 -- APALEXO  
 Pharmaprojects No. 5728 -- Autogen Pharmaprojects No. 6560 -- Ardana  
 Pharmaprojects No. 5733 -- BioMarin Pharmaprojects No. 6562 -- Bayer  
 Pharmaprojects No. 5757 -- NIH Pharmaprojects No. 6569 -- Eos  
 Pharmaprojects No. 5765 -- Gryphon Phenoxazine  
 Pharmaprojects No. 5830 -- AntiCancer Phenylase -- Ibex  
 Pharmaprojects No. 5839 -- Dyax Pigment epithelium derived factor --  
 Pharmaprojects No. 5849 -- Johnson & plasminogen activator inhibitor-1,  
 Johnson recombinant -- DuPont Pharmaceuticals  
 Pharmaprojects No. 5860 -- Mitsubishi-  
 Tokyo  
 Pharmaprojects No. 5869 -- Oxford  
 GlycoSciences  
 Pharmaprojects No. 5883 -- Asahi Brewery

FIG. 1W

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Plasminogen activators -- Abbott Laboratories, American Home Products, Boehringer Mannheim, Chiron Corporation, DuPont Pharmaceuticals, Eli Lilly, Shionogi, Genentech, Genetics Institute, GlaxoSmithKline, Hemispherx Biopharma, Merck & Co, Novartis, Pharmacia Corporation, Wakamoto, Yeda	prostate-specific antigen -- EntreMed
plasminogen-related peptides -- Bio-Tech. General/MGH	protein A -- RepliGen
platelet factor 4 -- RepliGen	protein adhesives -- Enzon
Platelet-derived growth factor -- Amgen -- ZymoGenetics	protein C -- Baxter Intl., PPL Therapeutics, ZymoGenetics
plusonemin-- Hayashibara	protein C activator -- Gilead Sciences
PMD-2850 -- Protherics	protein kinase R antags -- NIH
Pneumococcal vaccine -- Antex Biologics, Aventis Pasteur	protirelin -- Takeda
Pneumococcal vaccine intranasal -- BioChem Vaccines/Biovector	protocadherin 2 -- Caprion
PR1A3	Pro-urokinase -- Abbott, Bristol-Myers Squibb, Dainippon, Tosoh -- Welfide
PR-39	P-selectin glycoprotein ligand-1 -- Genetics Institute
pralmorelin -- Kaken	pseudomonal infections -- InterMune
Pretarget-Lymphoma -- NeoRx	Pseudomonas vaccine -- Cytovax
Priliximab -- Centocor	PSGL-Ig -- American Home Products
PRO 140 -- Progenics	PSP-94 -- Procyon
PRO 2000 -- Procept	PTH 1-34 -- Nobex
PRO 367 -- Progenics	Quilimmune-M -- Antigenics
PRO 542 -- Progenics	R 101933
pro-Apo A-I -- Esperion	R 125224 -- Sankyo
prolactin -- Genzyme	RA therapy -- Cardion
Prosaptide TX14(A) -- Bio-Tech. General	Rabies vaccine recombinant -- Aventis Pasteur, BioChem Vaccines, Kaketsuken Pharmaceuticals
prostate cancer antibodies -- Immunex, UroCor	RadioTheraCIM -- YM BioSciences
prostate cancer antibody therapy -- Genentech/UroGenesys, Genotherapeutics	Ramot project No. 1315 -- Ramot
prostate cancer immunotherapeutics -- The PSMA Development Company	Ramot project No. K-734A -- Ramot
prostate cancer vaccine -- Aventis Pasteur, Zonagen, Corixa, Dendreon, Jenner Biotherapies, Therion Biologics	Ramot project No. K-734B -- Ramot
	RANK -- Immunex
	ranpirinase -- Alfacell
	ranpirinase-anti-CD22 MAb -- Alfacell
	RANTES inhibitor -- Milan
	RAPID drug delivery systems -- ARIAD
	rasburicase -- Sanofi
	rBPI-21, topical -- XOMA
	RC 529 -- Corixa
	rCFTR -- Genzyme Transgenics
	RD 62198
	rDnase -- Genentech
	RDP-58 -- SangStat

**FIG. 1X**



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RecepTox-Fce -- Keryx	Ribozyme gene therapy -- Genset
RecepTox-GnRH -- Keryx, MTR Technologies	Rickettsial vaccine recombinant
RecepTox-MBP -- Keryx, MTR Technologies	RIGScan CR -- Neoprobe
recFSH -- Akzo Nobel, Organon	RIP-3 -- Rigel
REGA 3G12	RK-0202 -- RxKinetix
Regavirumab -- Teijin	RLT peptide -- Esperion
relaxin -- Connetics Corp	rM/NEI -- IVAX
Renal cancer vaccine -- Macropharm	rmCRP -- Immtech
repifermin -- Human Genome Sciences	RN-1001 -- Renovo
Respiratory syncytial virus PFP-2 vaccine -- Wyeth-Lederle	RN-3 -- Renovo
Respiratory syncytial virus vaccine -- GlaxoSmithKline, Pharmacia, Pierre Fabre	RNAse conjugate -- Immunomedics
Respiratory syncytial virus vaccine inactivated	RO 631908 -- Roche
Respiratory syncytial virus-parainfluenza virus vaccine -- Aventis Pasteur, Pharmacia	Rotavirus vaccine -- Merck
Reteplase -- Boehringer Mannheim, Hoffman La-Roche	RP 431 -- DuPont Pharmaceuticals
Retropep -- Retroscreen	RP-128 -- Resolution
RFB4 (dsFv) PE38	RPE65 gene therapy --
RFI 641 -- American Home Products	RPR 110173 -- Aventis Pasteur
RFTS -- UAB Research Foundation	RPR 115135 -- Aventis Pasteur
RG 12986 -- Aventis Pasteur	RPR 116258A -- Aventis Pasteur
RG 83852 -- Aventis Pasteur	rPSGL-Ig -- American Home Products
RG-1059 -- RepliGen	r-SPC surfactant -- Byk Gulden
rGCR -- NIH	rV-HER-2/neu -- Therion Biologics
rGLP-1 -- Restoragen	SA 1042 -- Sankyo
rGRF -- Restoragen	sacrosidase -- Orphan Medical
rh Insulin -- Eli Lilly	Sant 7
RHAMM targeting peptides -- Cangene	Sargramostim -- Immunex
rHb1.1 -- Baxter Intl.	saruplase -- Gruenenthal
rhCC10 -- Claragen	Satumomab -- Cytogen
rhCG -- Serono	SB 1 -- COR Therapeutics
Rheumatoid arthritis gene therapy	SB 207448 -- GlaxoSmithKline
Rheumatoid arthritis vaccine -- Veterans Affairs Medical Center	SB 208651 -- GlaxoSmithKline
rhLH -- Serono	SB 240683 -- GlaxoSmithKline
	SB 249415 -- GlaxoSmithKline
	SB 249417 -- GlaxoSmithKline
	SB 6 -- COR Therapeutics
	SB RA 31012 --
	SC 56929 -- Pharmacia
	SCA binding proteins -- Curis, Enzon
	scFv(14E1)-ETA Berlex Laboratories, Schering AG
	ScFv(FRP5)-ETA --

FIG. 1Y

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ScFv6C6-PE40 --	somatomedin-1 -- GroPep, Mitsubishi-Tokyo, NIH
SCH 55700 -- Celltech	somatomedin-1 carrier protein -- Insmed
Schistosomiasis vaccine -- Glaxo Wellcome/Medeira, Brazil	somatostatin -- Ferring
SCPF -- Advanced Tissue Sciences	Somatotropin/
scuPA-suPAR complex -- Hadasit	Human Growth Hormone -- Bio-Tech. General, Eli Lilly
SD-9427 -- Pharmacia	somatropin -- Bio-Tech. General, Alkermes, ProLease, Aventis Behring, Biovector, Cangene, Dong-A, Eli Lilly, Emisphere, Enact, Genentech, Genzyme Transgenics, Grandis/InfiMed, CSL, InfiMed, MacroMed, Novartis, Novo Nordisk, Pharmacia
SDF-1 -- Ono	Serono, TranXenoGen
SDZ 215918 -- Novartis	somatropin derivative -- Schering AG
SDZ 280125 -- Novartis	somatropin, AIR -- Eli Lilly
SDZ 89104 -- Novartis	Somatropin, inhaled -- Eli Lilly/Alkermes
SDZ ABL 364 -- Novartis	somatropin, Kabi -- Pharmacia
SDZ MMA 383 -- Novartis	somatropin, Orasome -- Novo Nordisk
serine protease inhibs -- Pharis	Sonermin -- Dainippon Pharmaceutical
sermorelin acetate -- Serono	SP(V5.2)C -- Supertek
SERP-1 -- Viron	SPf66
sertenef -- Dainippon	sphingomyelinase -- Genzyme
serum albumin, Recombinant human -- Aventis Behring	SR 29001 -- Sanofi
serum-derived factor -- Hadasit	SR 41476 -- Sanofi
Sevirumab -- Novartis	SR-29001 -- Sanofi
SGN 14 -- Seattle Genetics	SS1(dsFV)-PE38 -- NeoPharm
SGN 15 -- Seattle Genetics	$\beta$ 2 microglobulin -- Avidex
SGN 17/19 -- Seattle Genetics	$\beta$ 2-microglobulin fusion proteins -- NIH
SGN 30 -- Seattle Genetics	$\beta$ -amyloid peptides -- CeNeS
SGN-10 -- Seattle Genetics	$\beta$ -defensin -- Pharis
SGN-11 -- Seattle Genetics	Staphylococcus aureus infections -- Inhibitex/ZLB
SH 306 -- DuPont Pharmaceuticals	Staphylococcus aureus vaccine conjugate -- Nabi
Shanvac-B -- Shantha	Staphylococcus therapy -- Tripep
Shigella flexneri vaccine -- Avant, Acambis, Novavax	Staphylokinase -- Biovation, Prothera, Thrombogenetics
Shigella sonnei vaccine --	Streptococcal A vaccine -- M6
sICAM-1 -- Boehringer Ingelheim	Pharmaceuticals, North American Vaccine
Silteplase -- Genzyme	Streptococcal B vaccine -- Microscience
SIV vaccine -- Endocon, Institut Pasteur	
SK 896 -- Sanwa Kagaku Kenkyusho	
SK-827 -- Sanwa Kagaku Kenkyusho	
Skeletex -- CellFactors	
SKF 106160 -- GlaxoSmithKline	
S-nitroso-AR545C --	
SNTP -- Active Biotech	

FIG. 1Z

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Streptococcal B vaccine recombinant -- Biochem Vaccines	TFPI -- EntreMed
Streptococcus pyogenes vaccine	tgD-IL-2 -- Takeda
STRL-33 -- NIH	TGF-Alpha -- ZymoGenetics
Subalin -- SRC VB VECTOR	TGF- $\beta$ -- Kolon
SUIS -- United Biomedical	TGF- $\beta$ 2 -- Insmed
SUIS-LHRH -- United Biomedical	TGF- $\beta$ 3 -- OSI
SUN-E3001 -- Suntory	Thalassaemia gene therapy -- Crucell
super high affinity monoclonal antibodies -- YM BioSciences	TheraCIM-h-R3 -- Center of Molecular Immunology, YM BioSciences
Superoxide dismutase -- Chiron, Enzon, Ube Industries, Bio-Tech, Yeda	Theradigm-HBV -- Epimmune
superoxide dismutase-2 -- OXIS	Theradigm-HPV -- Epimmune
suppressin -- UAB Research Foundation	Theradigm-malaria -- Epimmune
SY-161-P5 -- ThromboGenics	Theradigm-melanoma -- Epimmune
SY-162 -- ThromboGenics	TheraFab -- Antisoma
Systemic lupus erythematosus vaccine -- MedClone/VivoRx	ThGRF 1-29 -- Theratechnologies
T cell receptor peptide vaccine	ThGRF 1-44 -- Theratechnologies
T4N5 liposomes -- AGI Dermatics	thrombomodulin -- Iowa, Novocastra
TACI, soluble -- ZymoGenetics	Thrombopoietin -- Dragon Pharmaceuticals, Genentech
targeted apoptosis -- Antisoma	thrombopoietin, Pliva -- Recepton
tasonermin -- Boehringer Ingelheim	Thrombospondin 2 --
TASP	thrombostatin -- Thromgen
TASP-V	thymalfasin -- SciClone
Tat peptide analogues -- NIH	thymocartin -- Gedeon Richter
TBP I -- Yeda	thymosin Alpha1 -- NIH
TBP II	thyroid stimulating hormone -- Genzyme
TBV25H -- NIH	tICAM-1 -- Bayer
Tc 99m lor cea1 -- Center of Molecular Immunology	Tick anticoagulant peptide -- Merck
Tc 99m P 748 -- Diatide	TIF -- Xoma
Tc 99m votumumab -- Intracell	Tifacogin -- Chiron, NIS, Pharmacia
Tc-99m rh-Annexin V -- Theseus Imaging	Tissue factor -- Genentech
teceleukin -- Biogen	Tissue factor pathway inhibitor
tenecteplase -- Genentech	TJN-135 -- Tsumura
Teriparatide -- Armour Pharmaceuticals, Asahi Kasei, Eli Lilly	TM 27 -- Avant
terlipressin -- Ferring	TM 29 -- Avant
testisin -- AMRAD	TMC-151 -- Tanabe Seiyaku
Tetrafibricin -- Roche	TNF tumour necrosis factor -- Asahi Kasei
	TNF Alpha -- CytImmune
	TNF antibody -- Johnson & Johnson
	TNF binding protein -- Amgen
	TNF degradation product -- Oncotech

FIG. 1AA

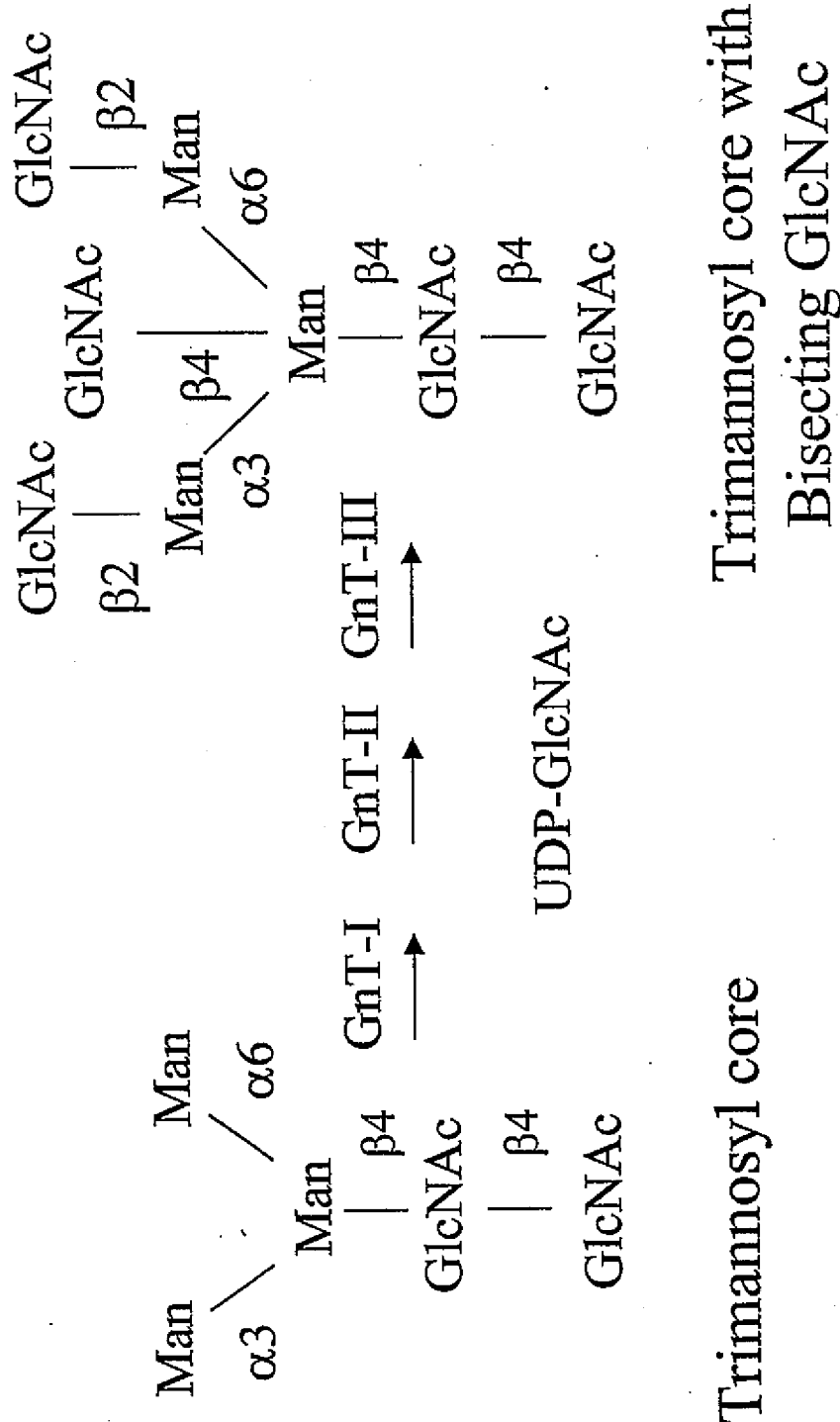
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TNF receptor -- Immunex	TXU-PAP
TNF receptor 1, soluble -- Amgen	TY-10721 -- TOA Eiyo
TNF Tumour necrosis factor-alpha -- Asahi	Type I diabetes vaccine -- Research Corp
Kasei, Genetech, Mochida	Typhoid vaccine CVD 908
TNF-Alpha inhibitor -- Tripep	U 143677 -- Pharmacia
TNFR:Fc gene therapy -- Targeted Genetics	U 81749 -- Pharmacia
TNF-SAM2	UA 1248 -- Arizona
Tolerimab -- Innogenetics	UGIF -- Sheffield
Toxoplasma gondii vaccine --	UIC 2
GlaxoSmithKline	UK 101
TP 9201 -- Telios	UK-279276 -- Corvas Intl.
TP10 -- Avant	urodilatin -- Pharis
TP20 -- Avant	urofolitrophin -- Serono
tPA -- Centocor	uteroferrin -- Pepgen
trafermin -- Scios	V 20 -- GLYCODEsign
TRAIL/Apo2L -- Immunex	V2 vasopressin receptor gene therapy
transferrin-binding proteins -- CAMR	vaccines -- Active Biotech
Transforming growth factor-beta-1 --	Varicella zoster glycoprotein vaccine --
Genentech	Research Corporation Technologies
transport protein -- Genesis	Varicella zoster virus vaccine live -- Cantab
TRH -- Ferring	Pharmaceuticals
Triabin -- Schering AG	Vascular endothelial growth factor --
Triconal	Genentech, University of California
Triflavin	Vascular endothelial growth factors -- R&D
troponin I -- Boston Life Sciences	Systems
TRP-2 <sup>+</sup> -- NIH	vascular targeting agents -- Peregrine
trypsin inhibitor -- Mochida	vasopermeation enhancement agents --
TSP-1 gene therapy --	Peregrine
TT-232	vasostatin -- NIH
TTS-CD2 -- Active Biotech	VCL -- Bio-Tech. General
Tuberculosis vaccine -- Aventis Pasteur,	VEGF -- Genentech, Scios
Genesis	VEGF inhibitor -- Chugai
Tumor Targeted Superantigens -- Active	VEGF-2 -- Human Genome Sciences
Biotech -- Pharmacia	VEGF-Trap -- Regeneron
tumour vaccines -- PhotoCure	viscumin, recombinant -- Madaus
tumour-activated prodrug antibody	Vitaxin
conjugates -- Millennium/ImmunoGen	Vitrax -- ISTA Pharmaceuticals
tumstatin -- ILEX	West Nile virus vaccine -- Bavarian Nordic
Tuvirumab -- Novartis	WP 652
TV-4710 -- Teva	WT1 vaccine -- Corixa
TWEAK receptor -- Immunex	WX-293 -- Willex BioTech.

**FIG. 1BB**

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WX-360 -- Wilex BioTech.	YM 207 -- Yamanouchi
WX-UK1 -- Wilex BioTech.	YM 337 -- Protein Design Labs
XMP-500 -- XOMA	Yttrium-90 labelled biotin
XomaZyme-791 -- XOMA	Yttrium-90-labeled anti-CEA MAb T84.66 --
XTL 001 -- XTL Biopharmaceuticals	ZD 0490 -- AstraZeneca
XTL 002 -- XTL Biopharmaceuticals	ziconotide -- Elan
yeast delivery system -- GlobelImmune	ZK 157138 -- Berlex Laboratories
Yersinia pestis vaccine	Zolimomab aritox
YIGSR-Stealth -- Johnson & Johnson	Zorcell -- Immune Response
Yisum Project No. D-0460 -- Yisum	ZRXL peptides -- Novartis



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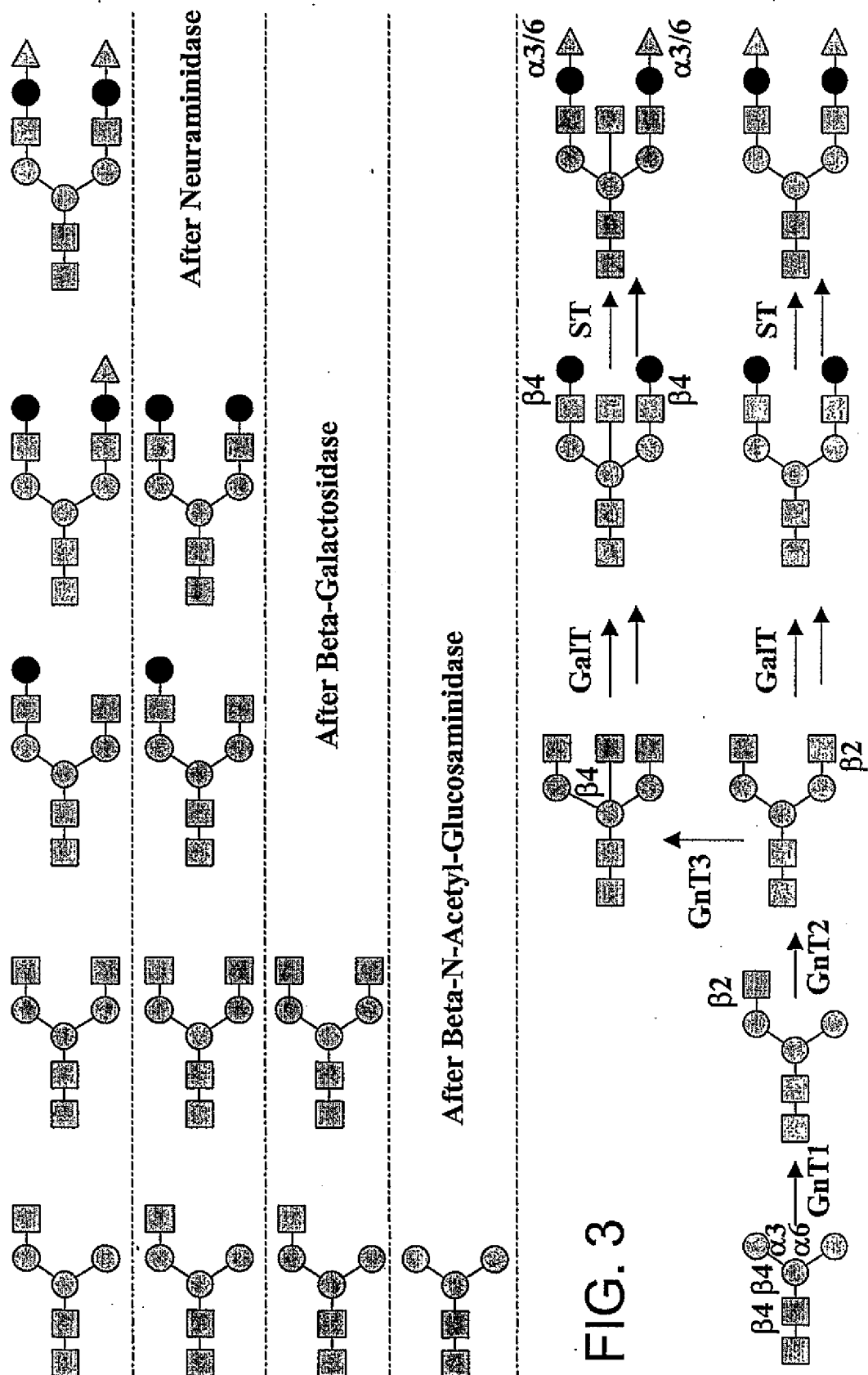


FIG. 3

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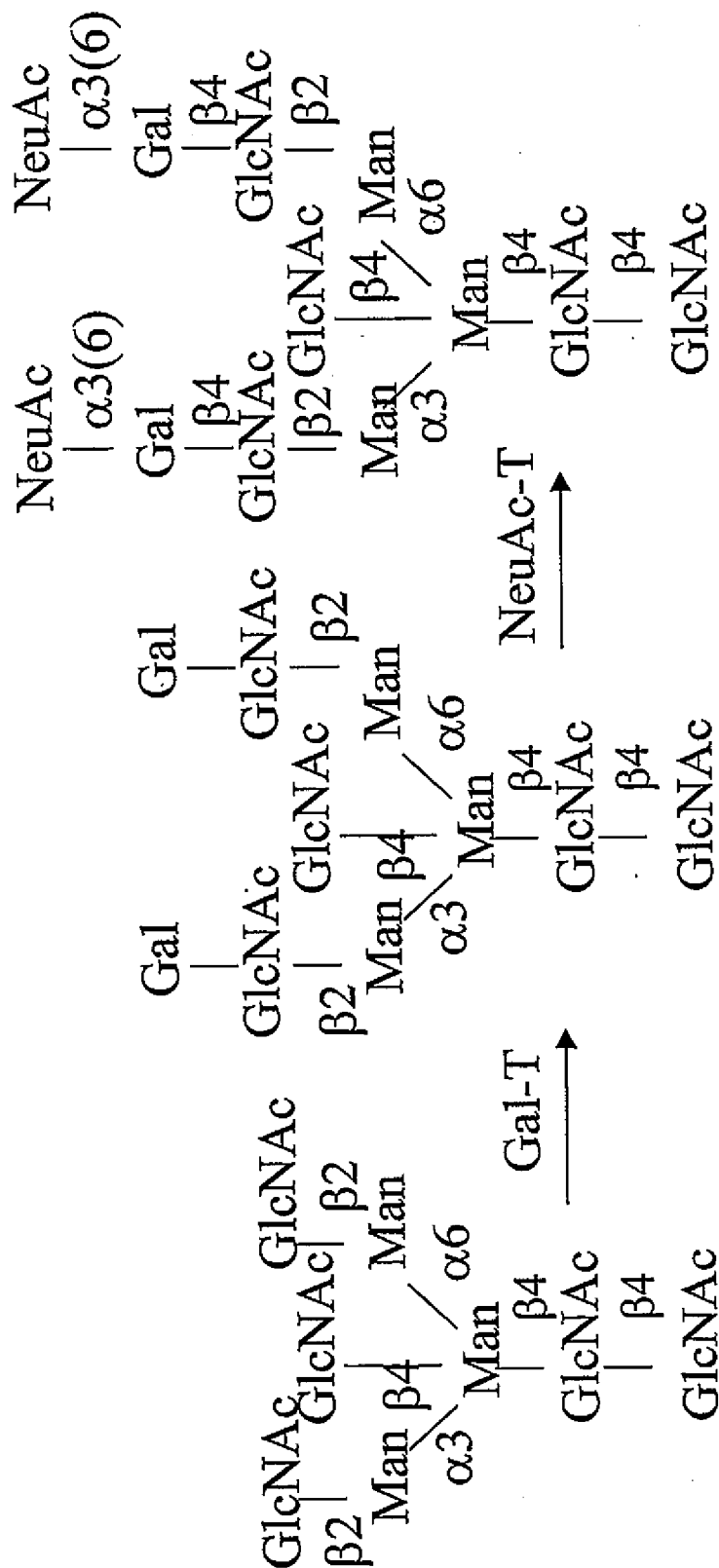


FIG. 4



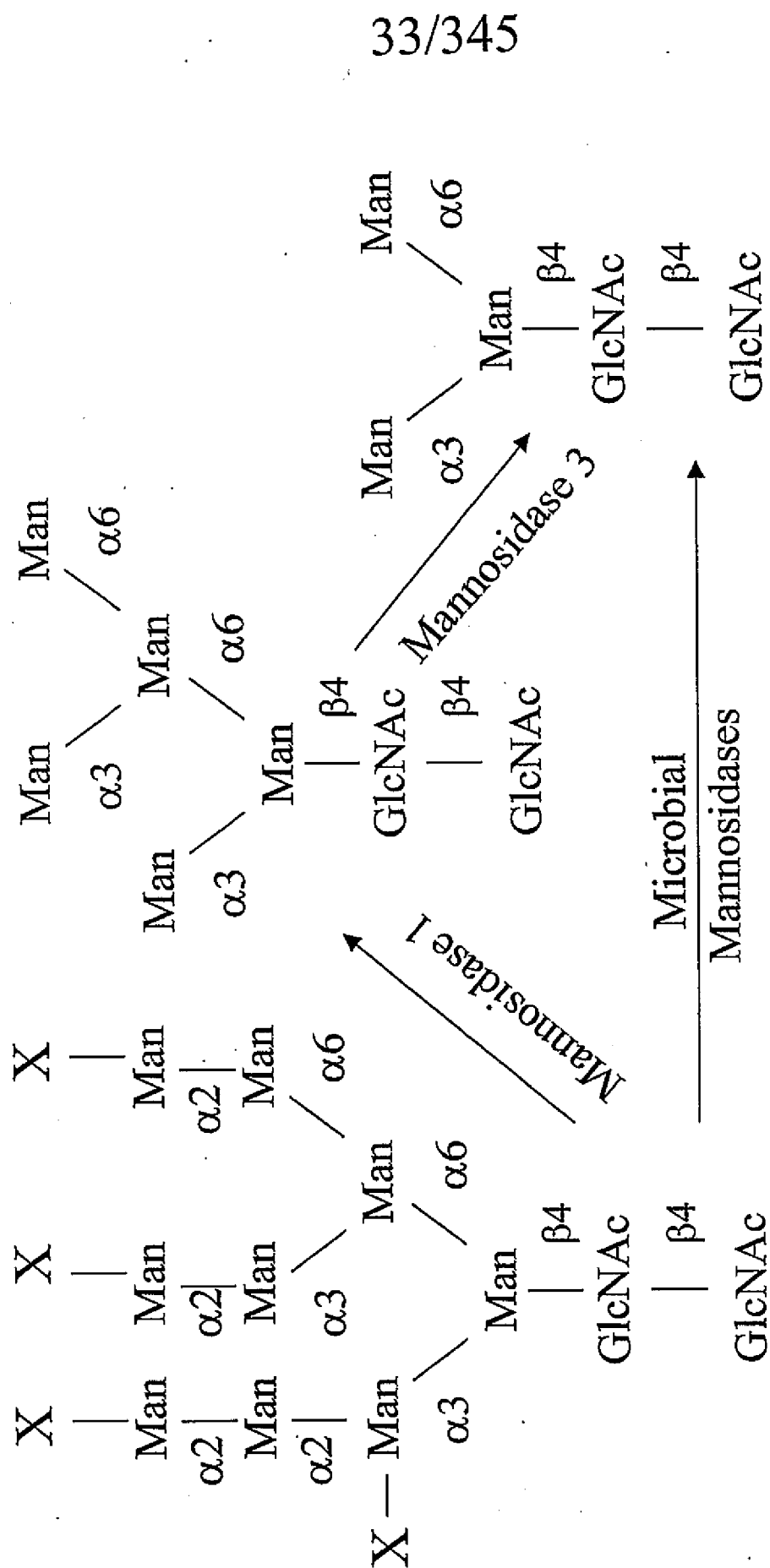


FIG. 5

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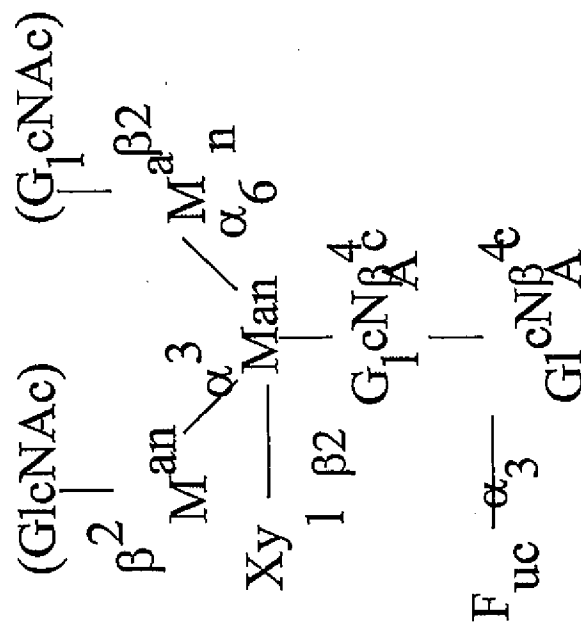


FIG. 6

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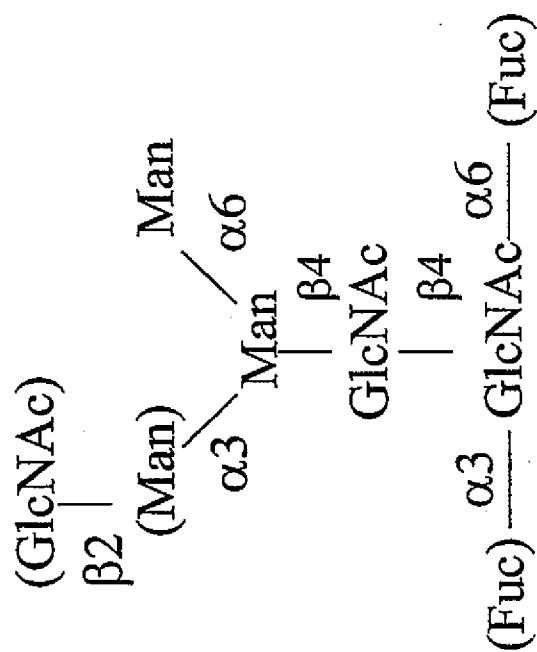


FIG. 7

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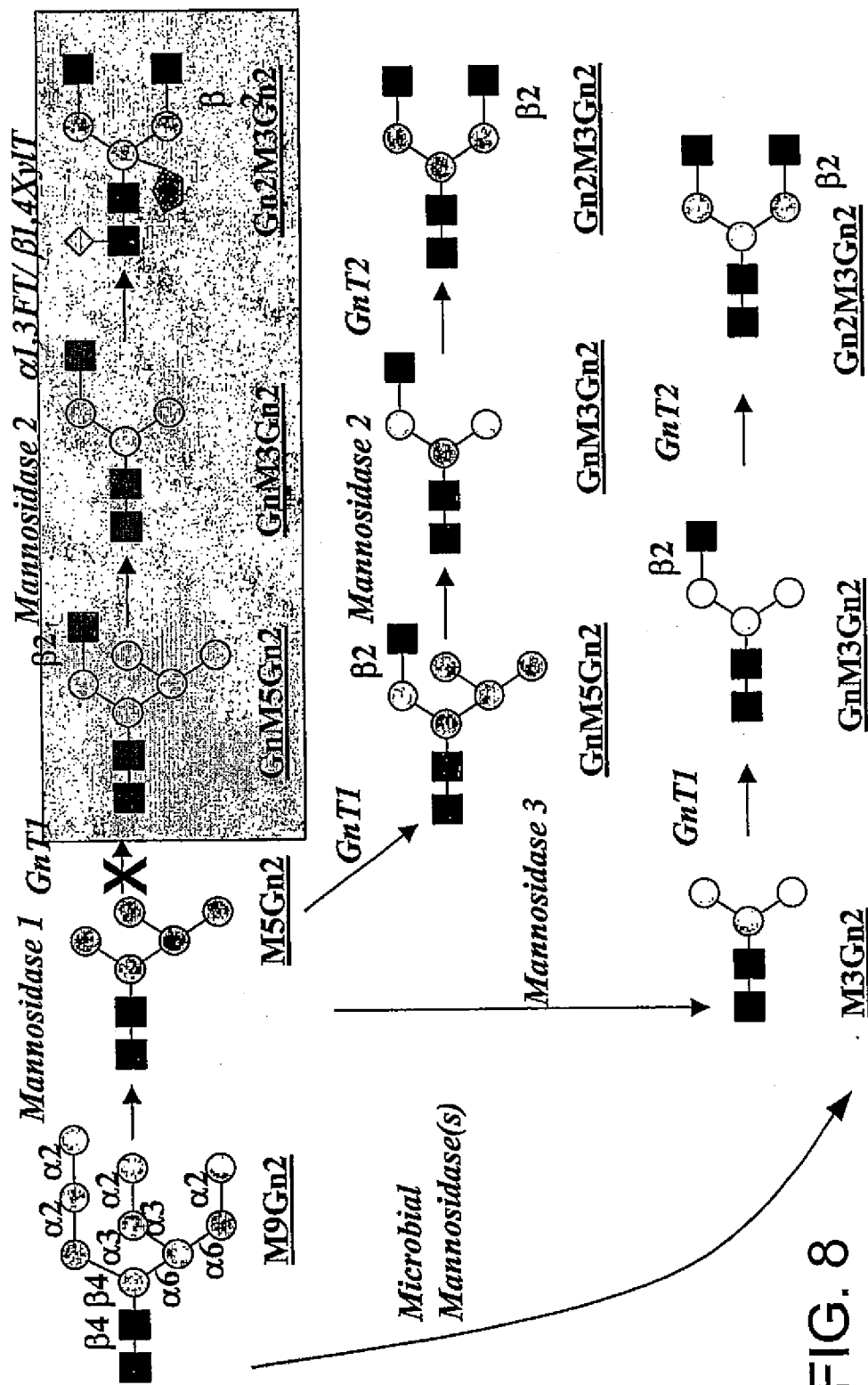


FIG. 8

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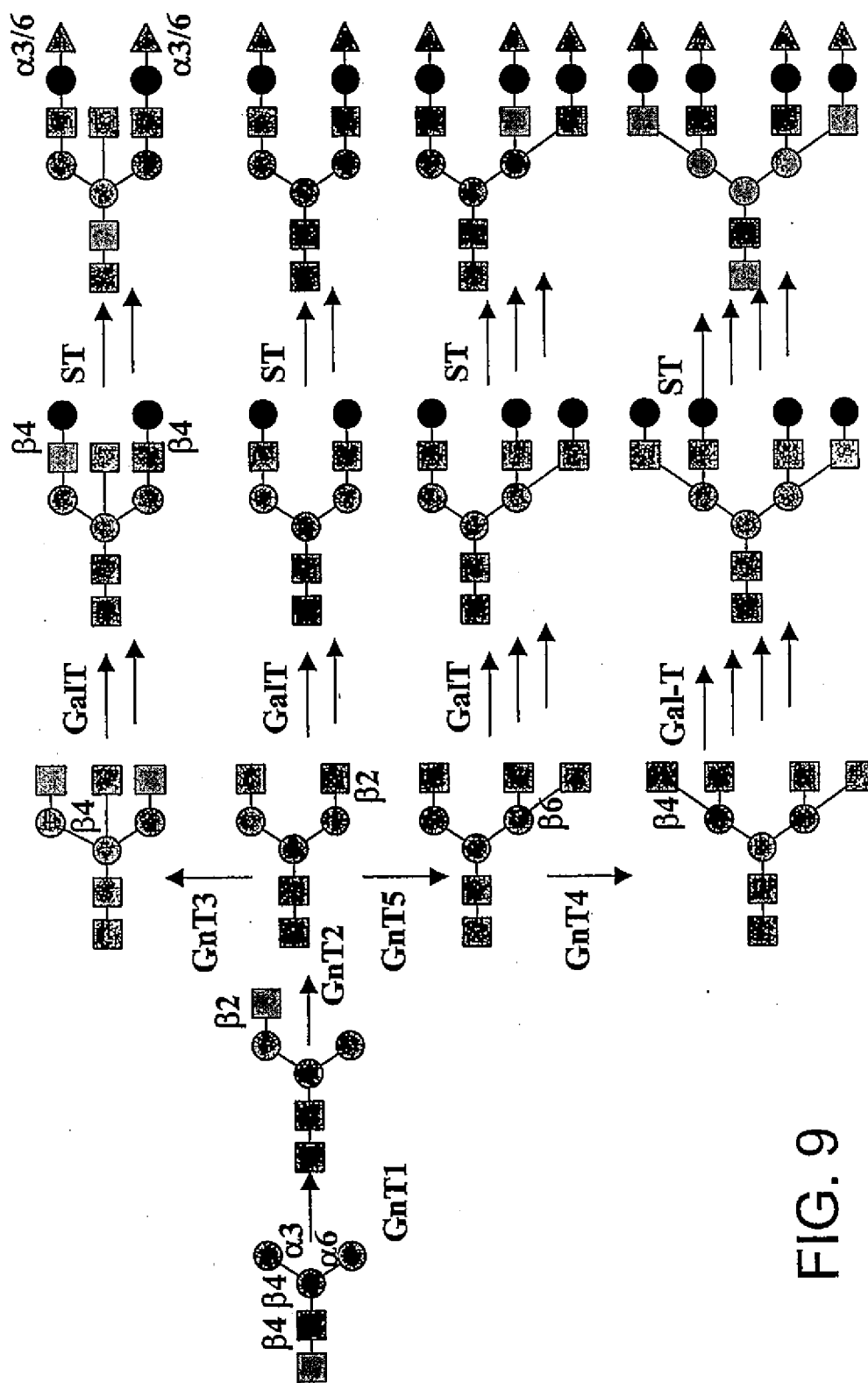


FIG. 9

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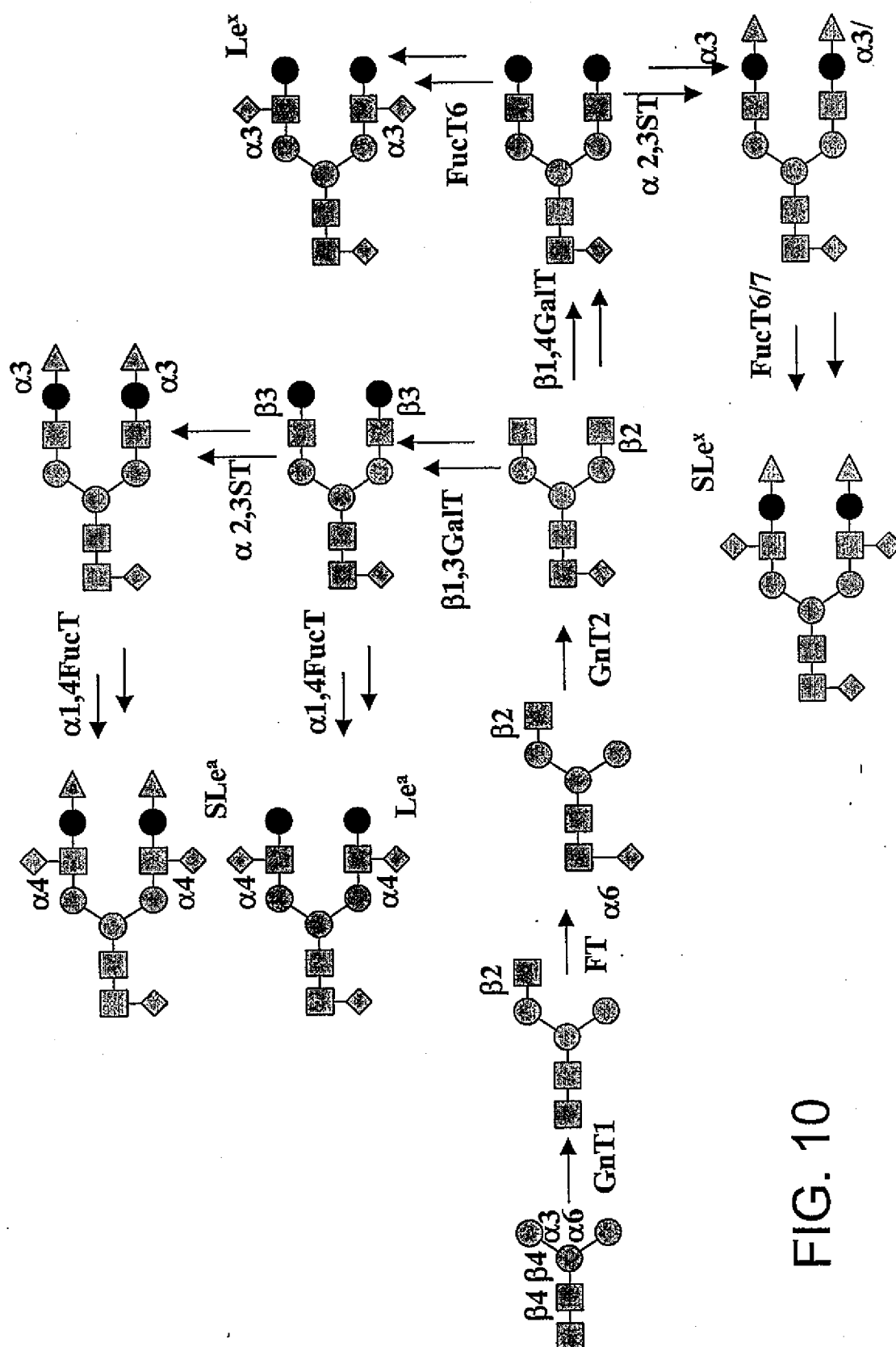


FIG. 10

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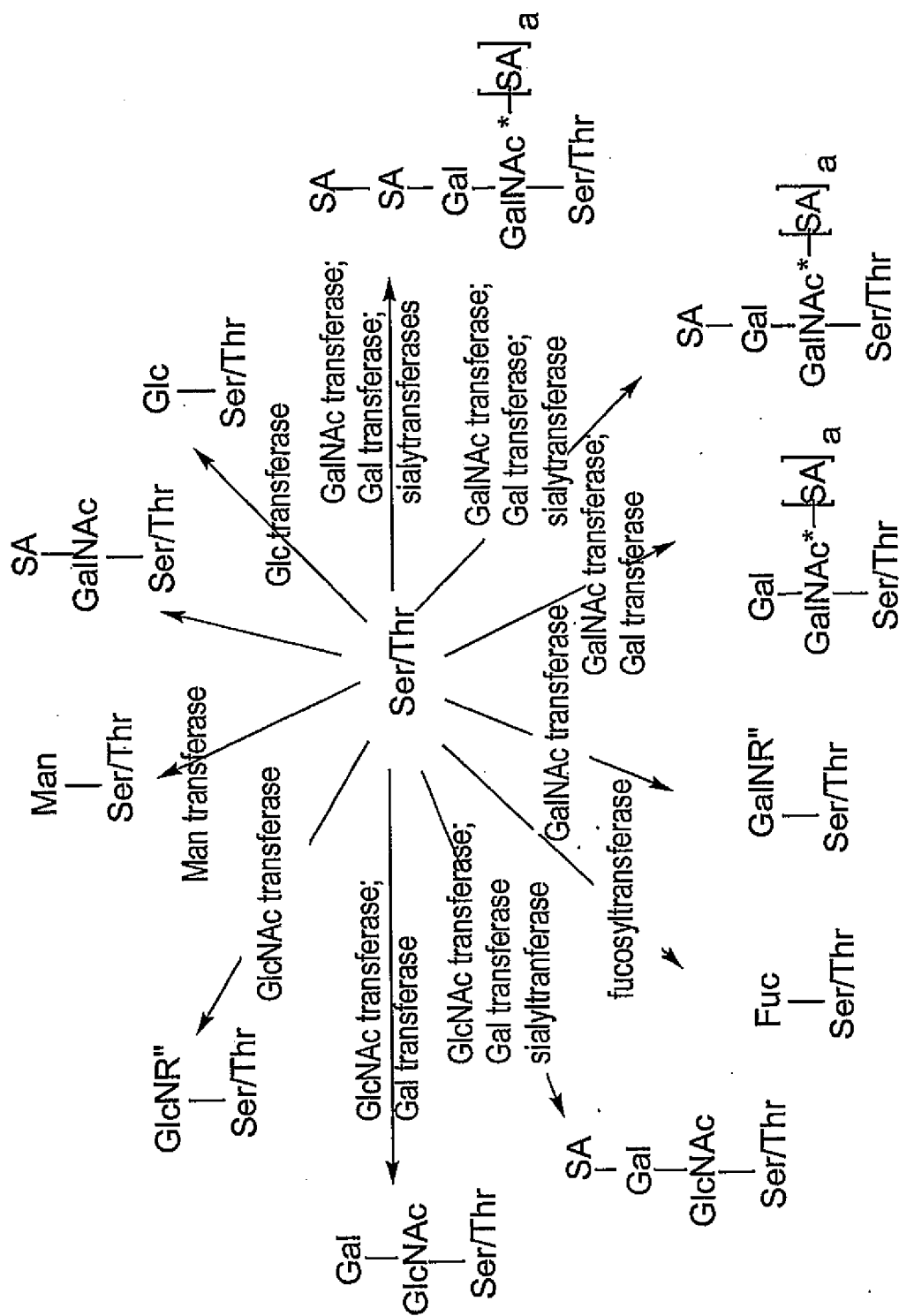


FIG. 11

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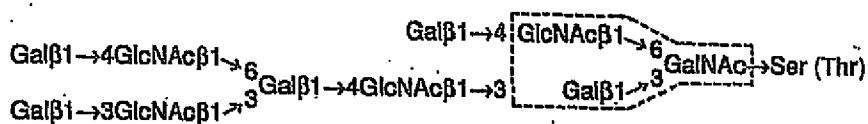
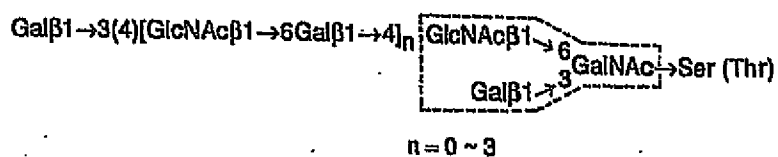
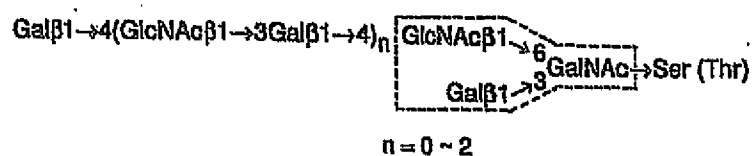
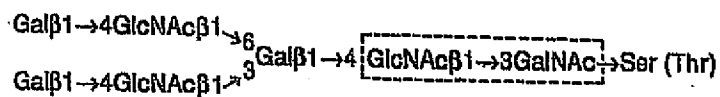
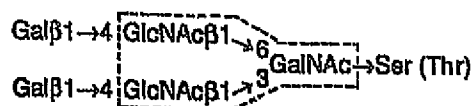
*Core 1**Core 2**Core 3**Core 4*

FIG. 12





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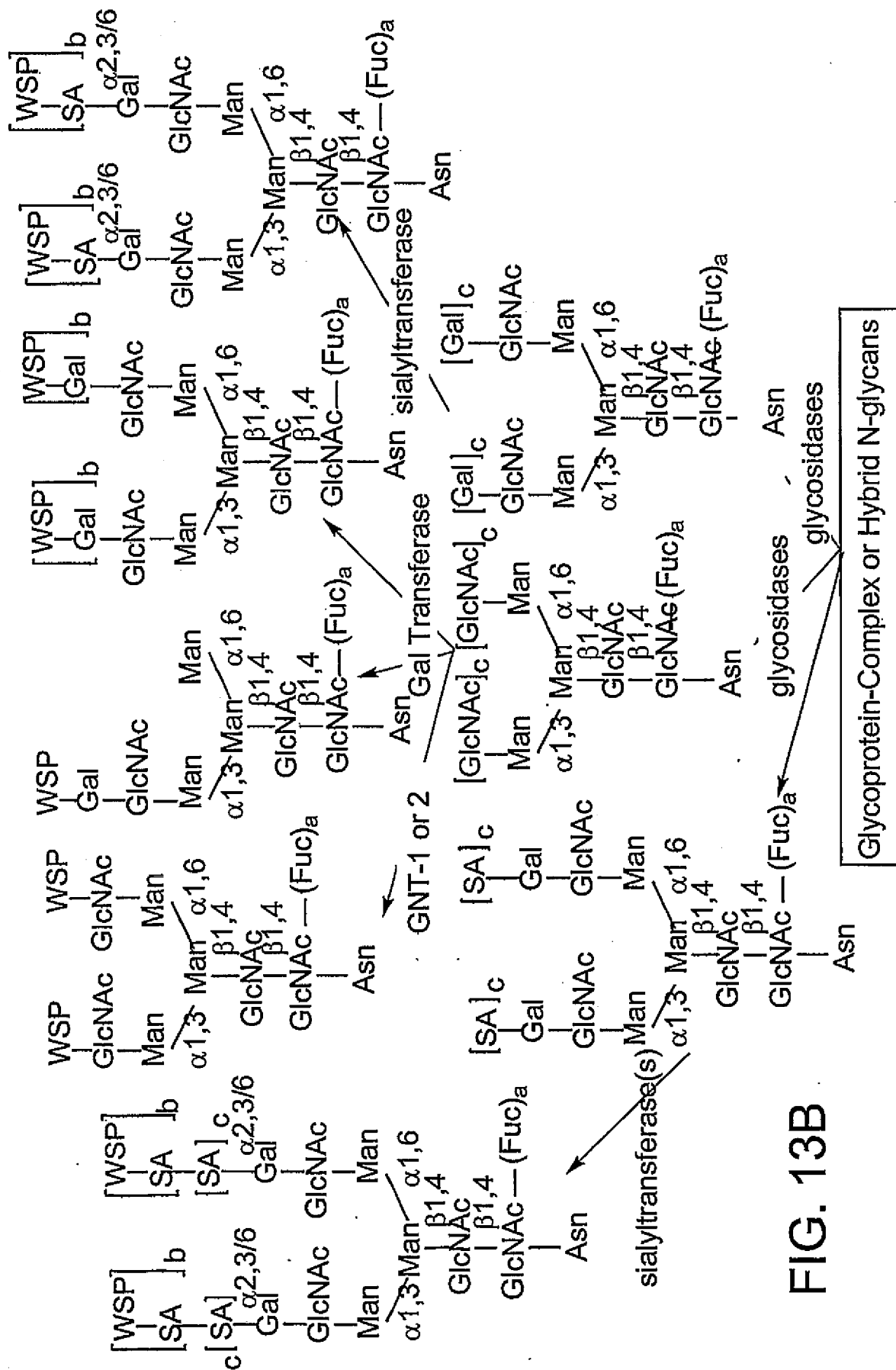


FIG. 13B

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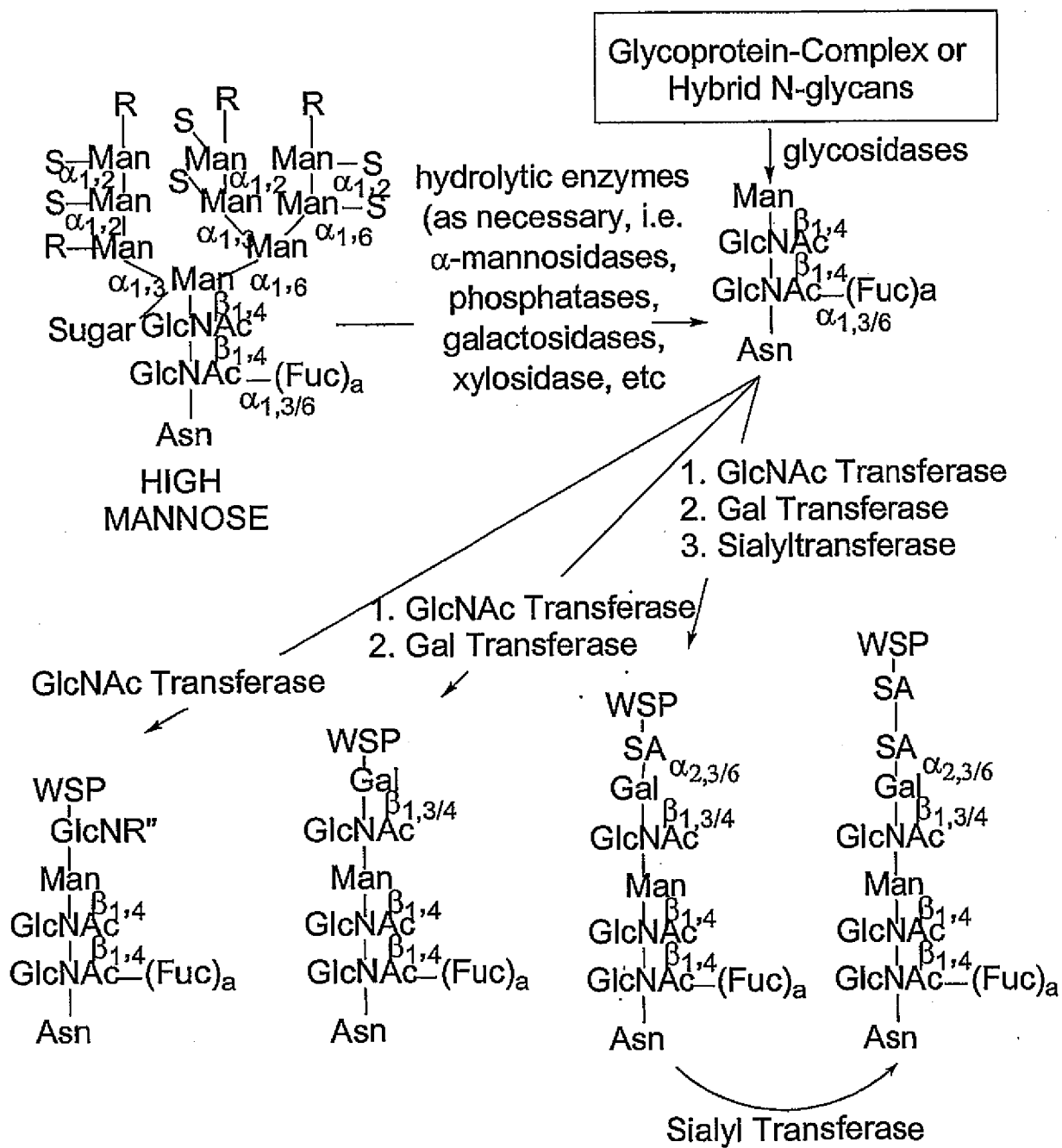


FIG. 14

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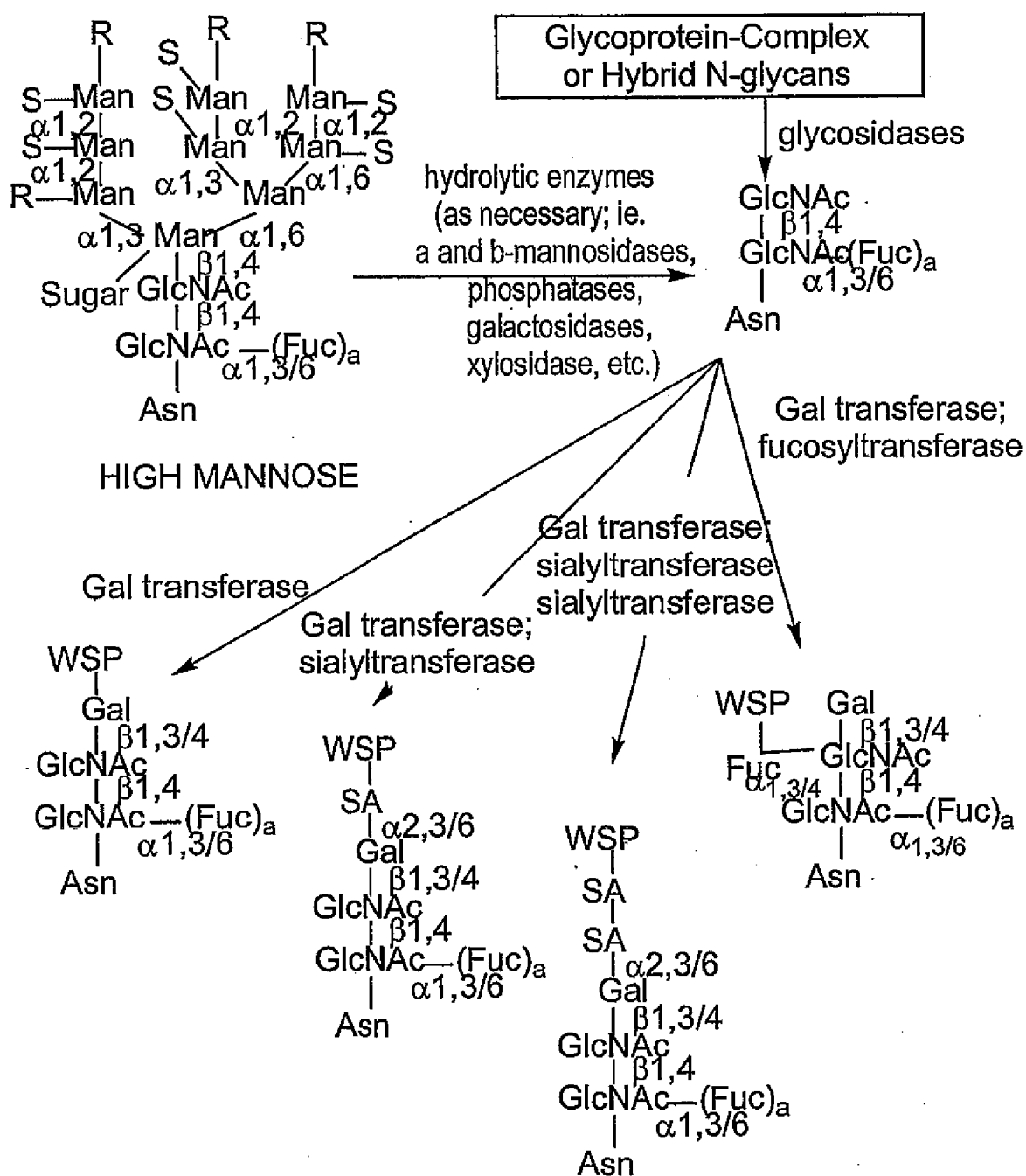


FIG. 15

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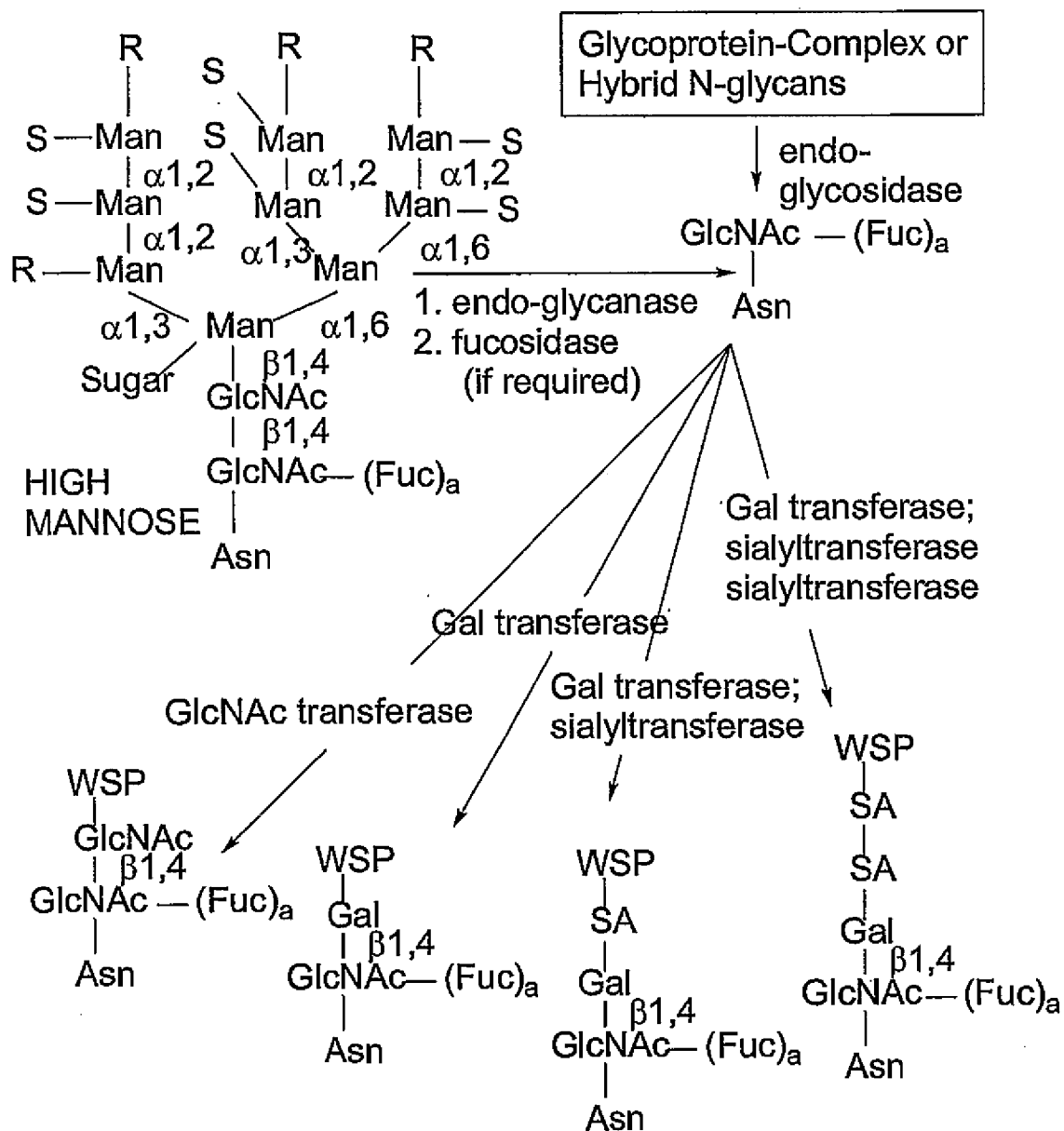


FIG. 16

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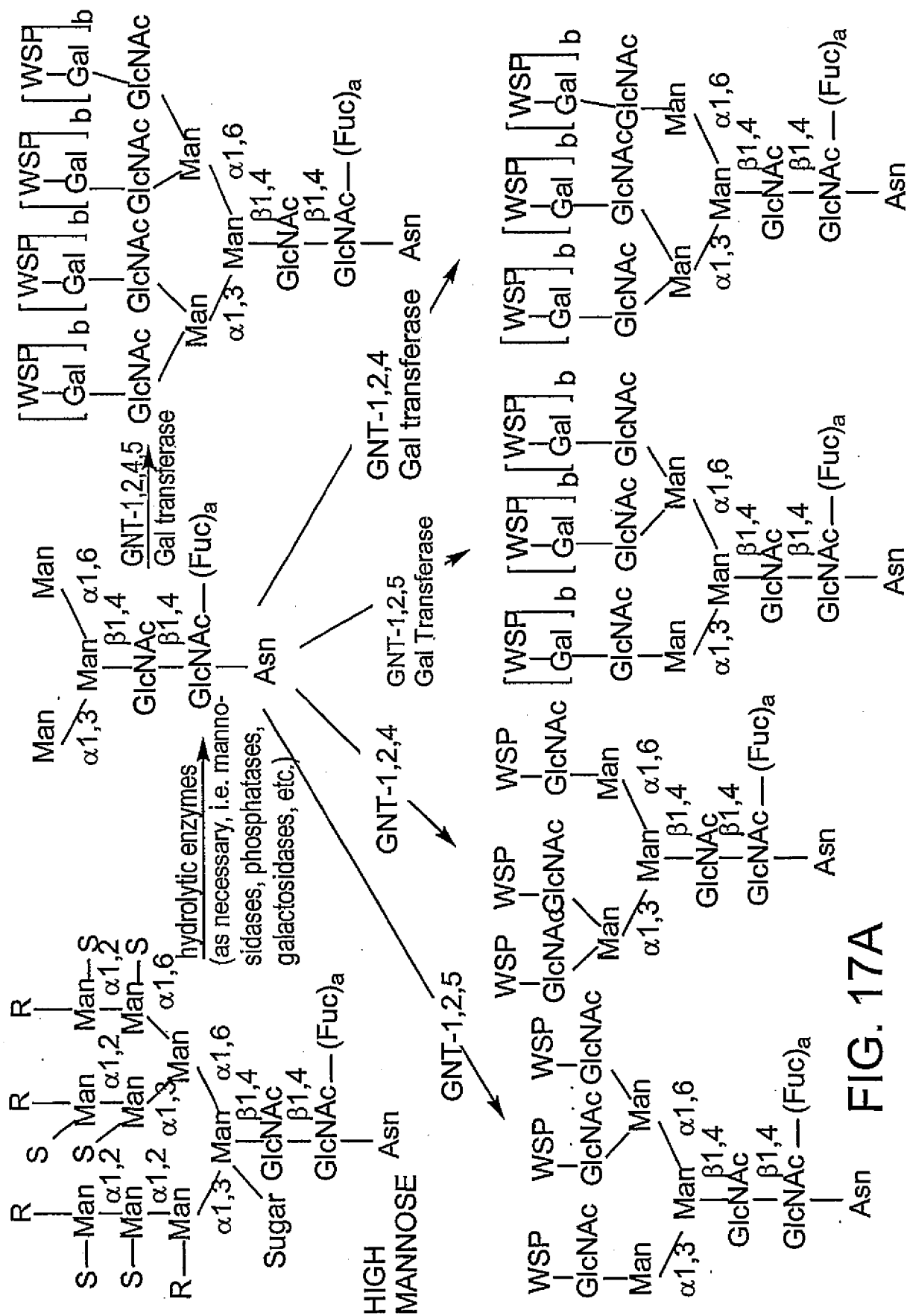
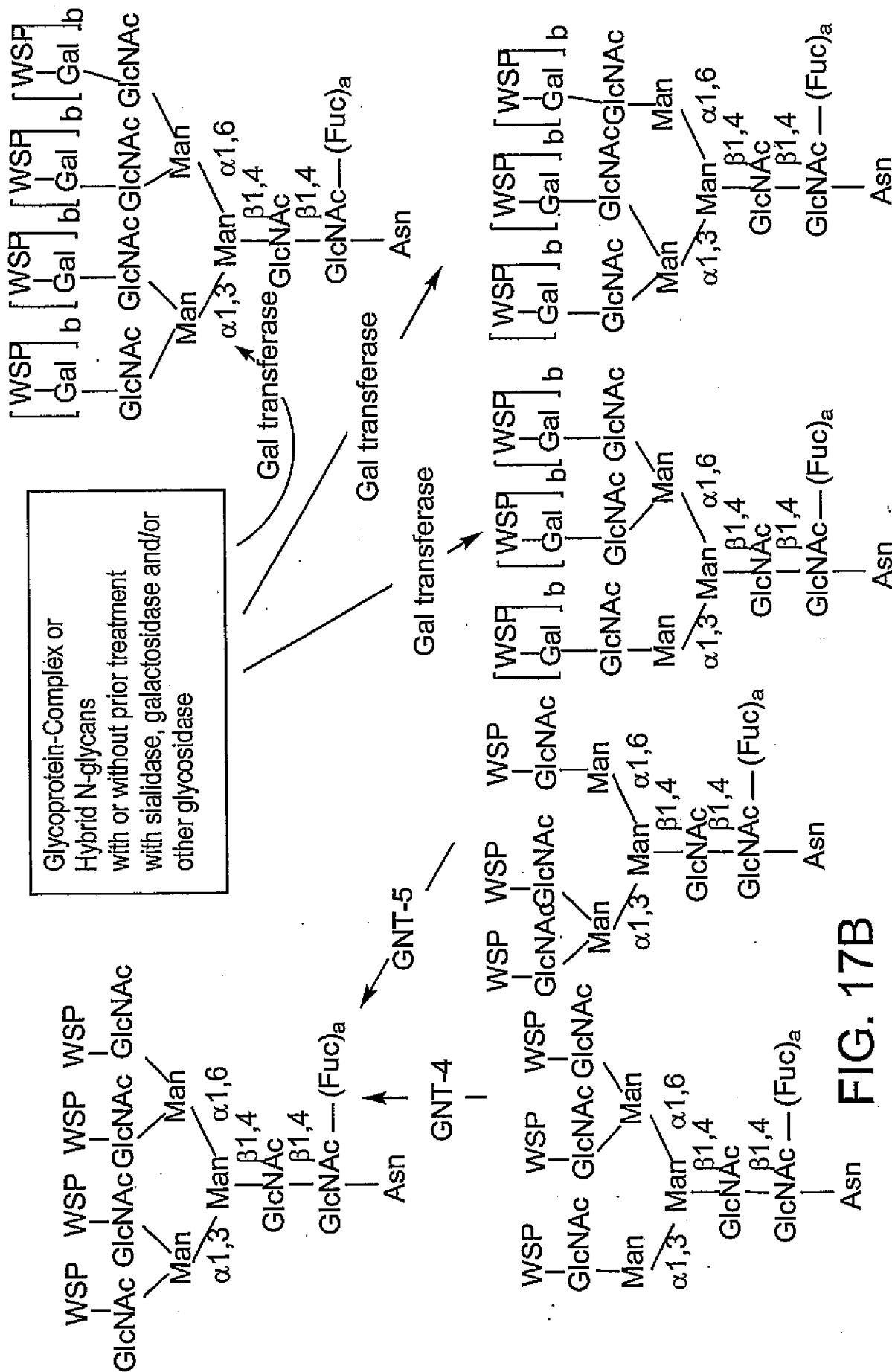
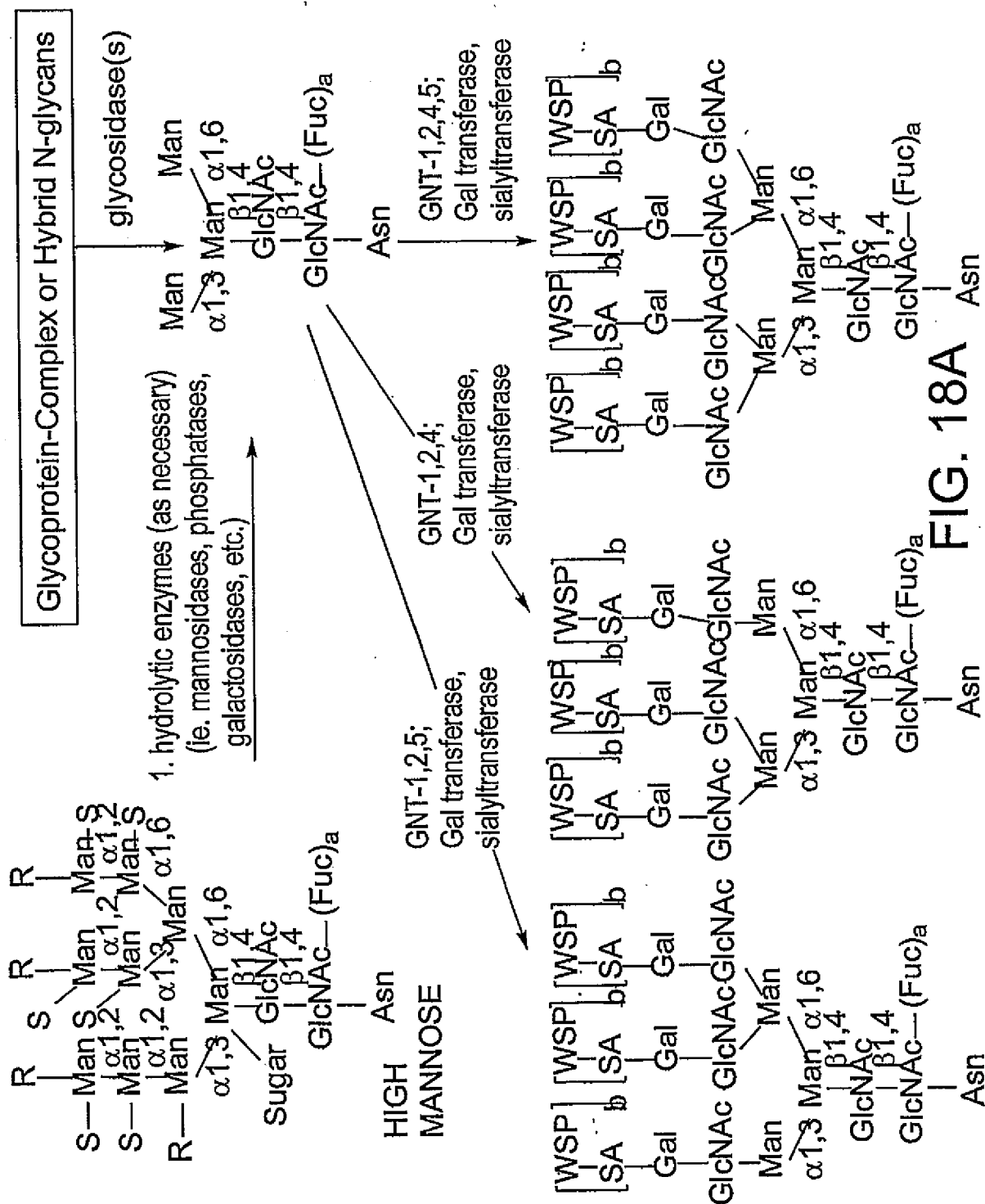


FIG. 17A

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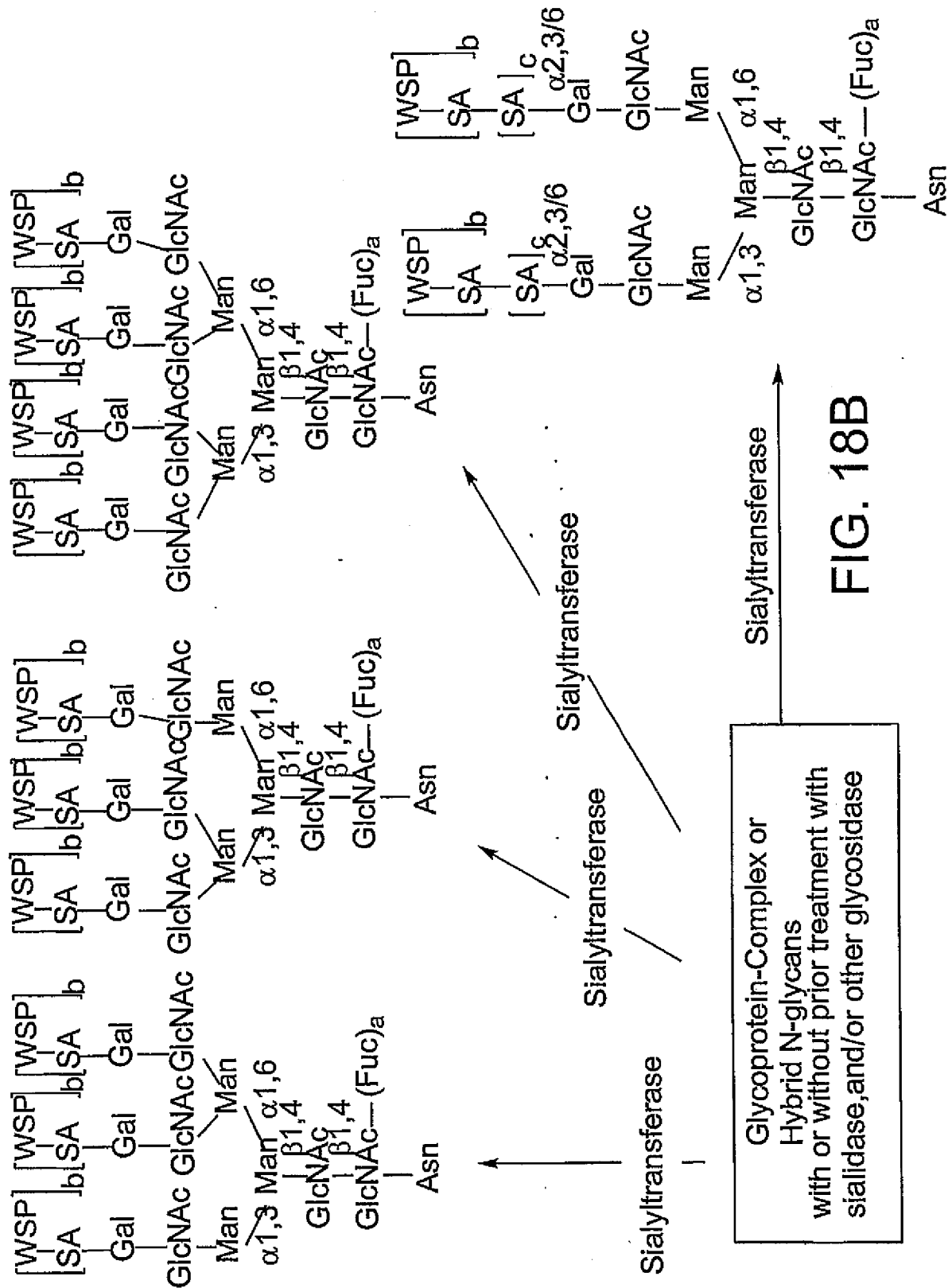


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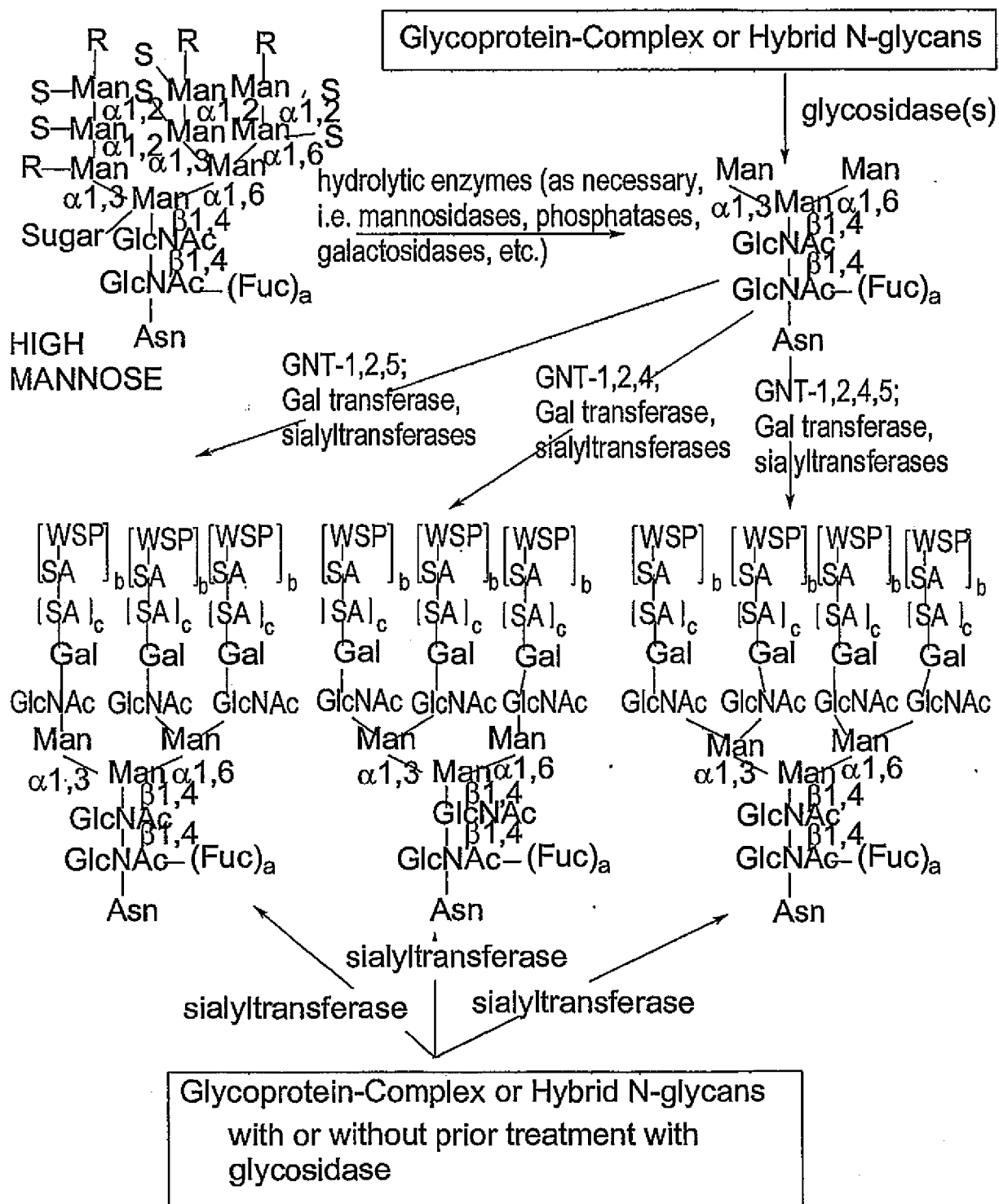
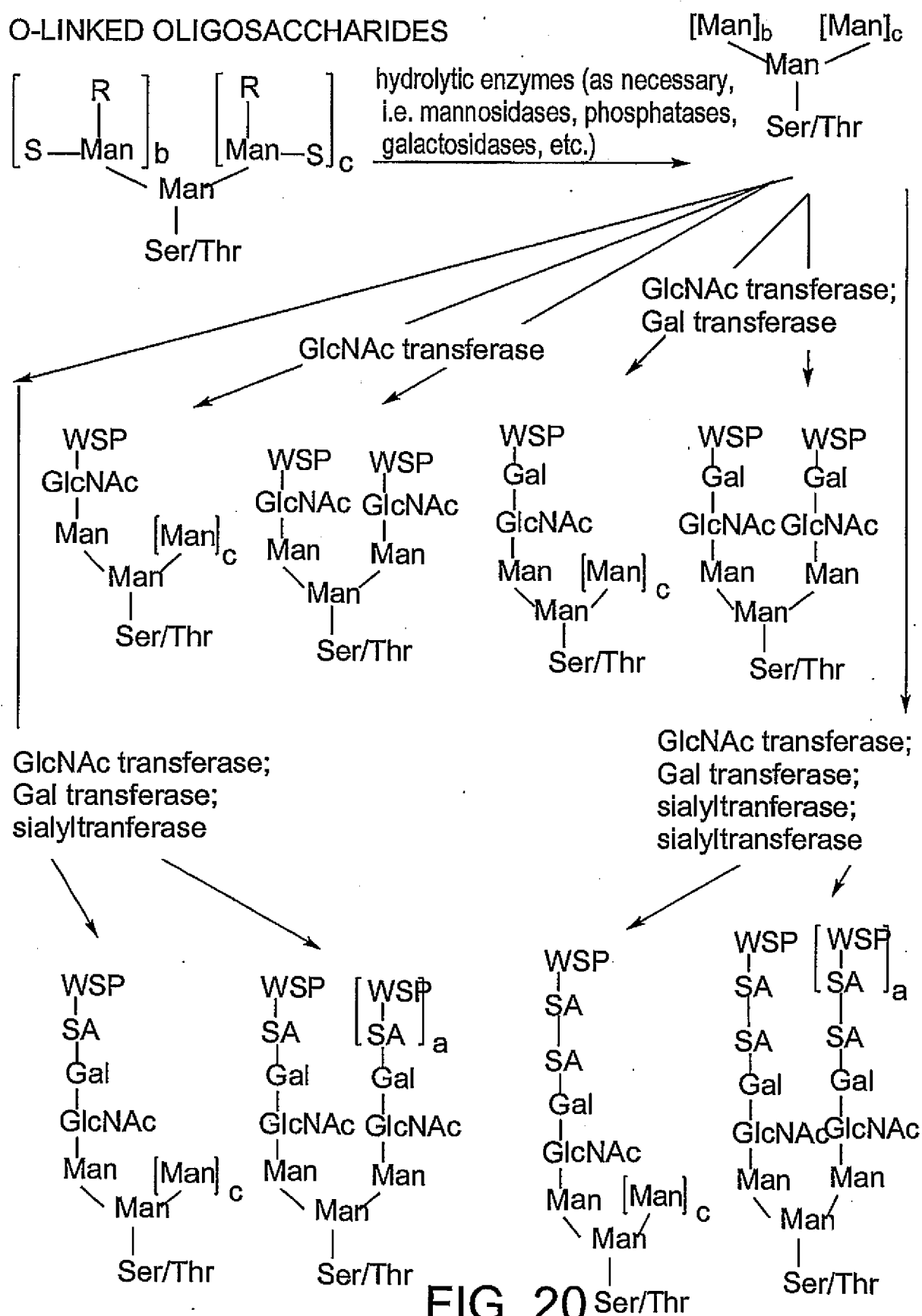


FIG. 19

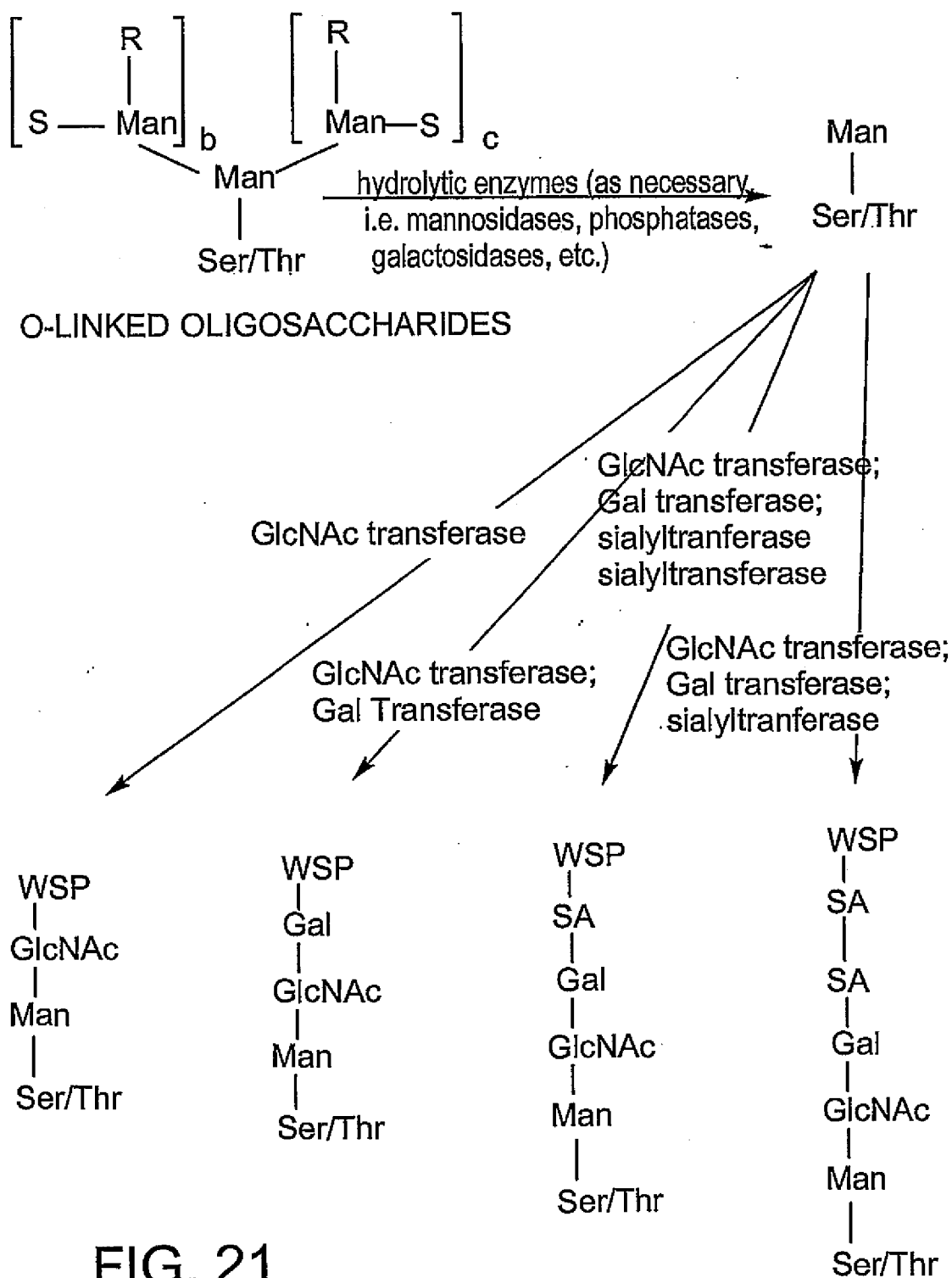
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## O-LINKED OLIGOSACCHARIDES



**FIG. 20** Ser/Thr

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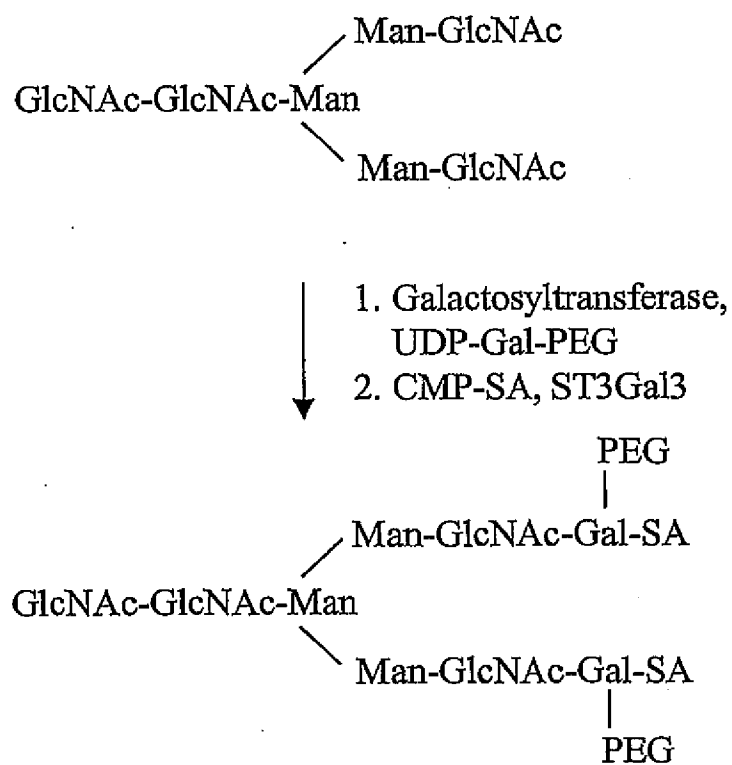


FIG. 22A

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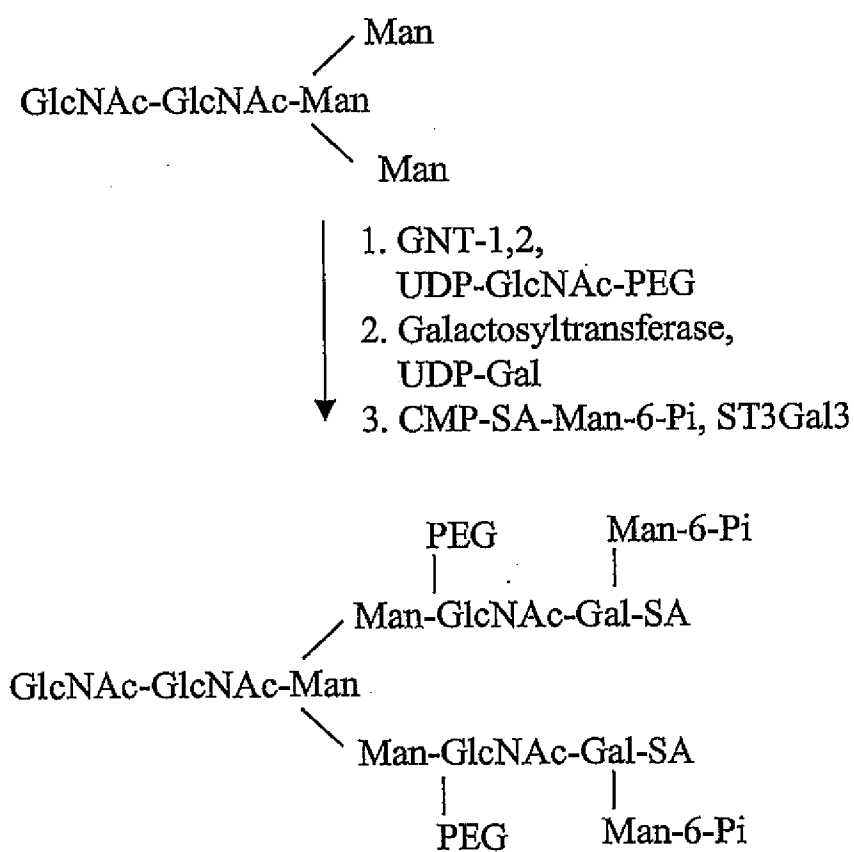


FIG. 22B

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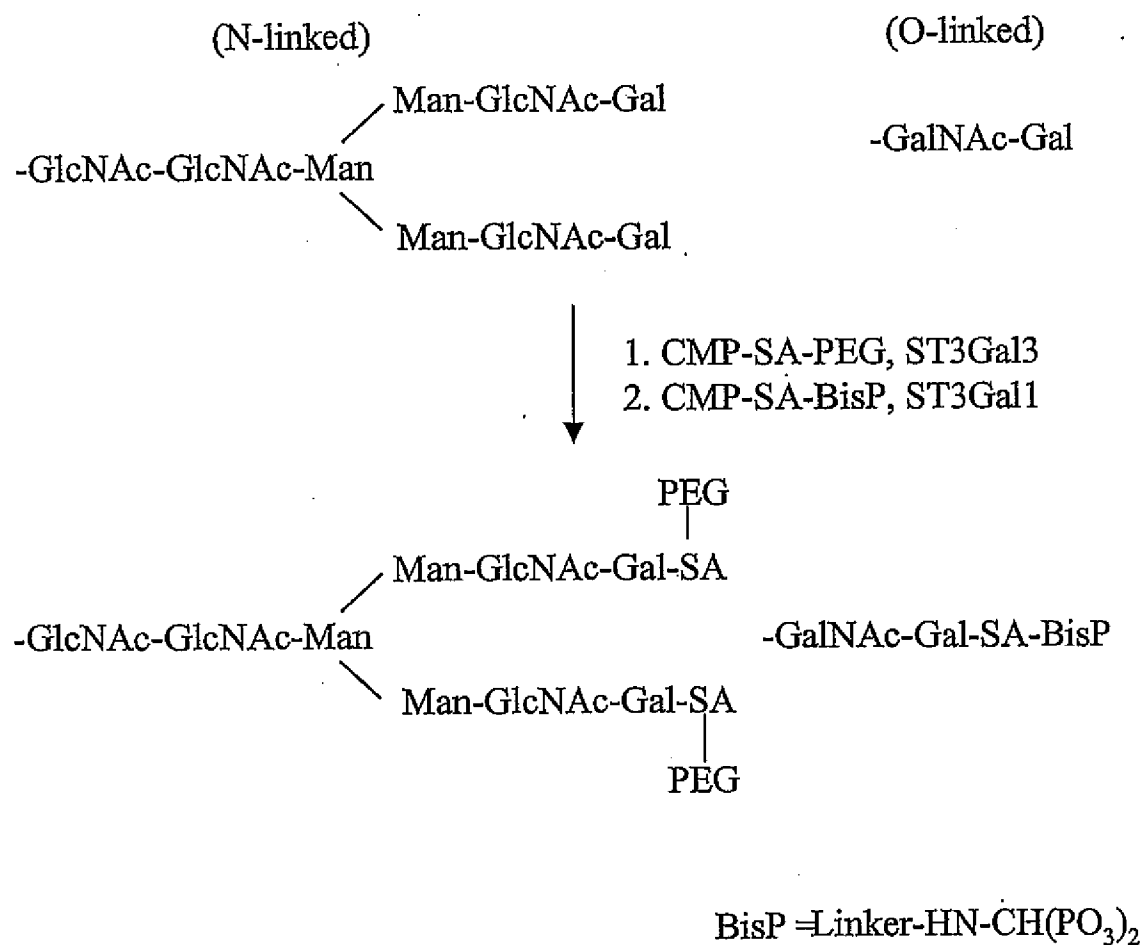


FIG. 22C

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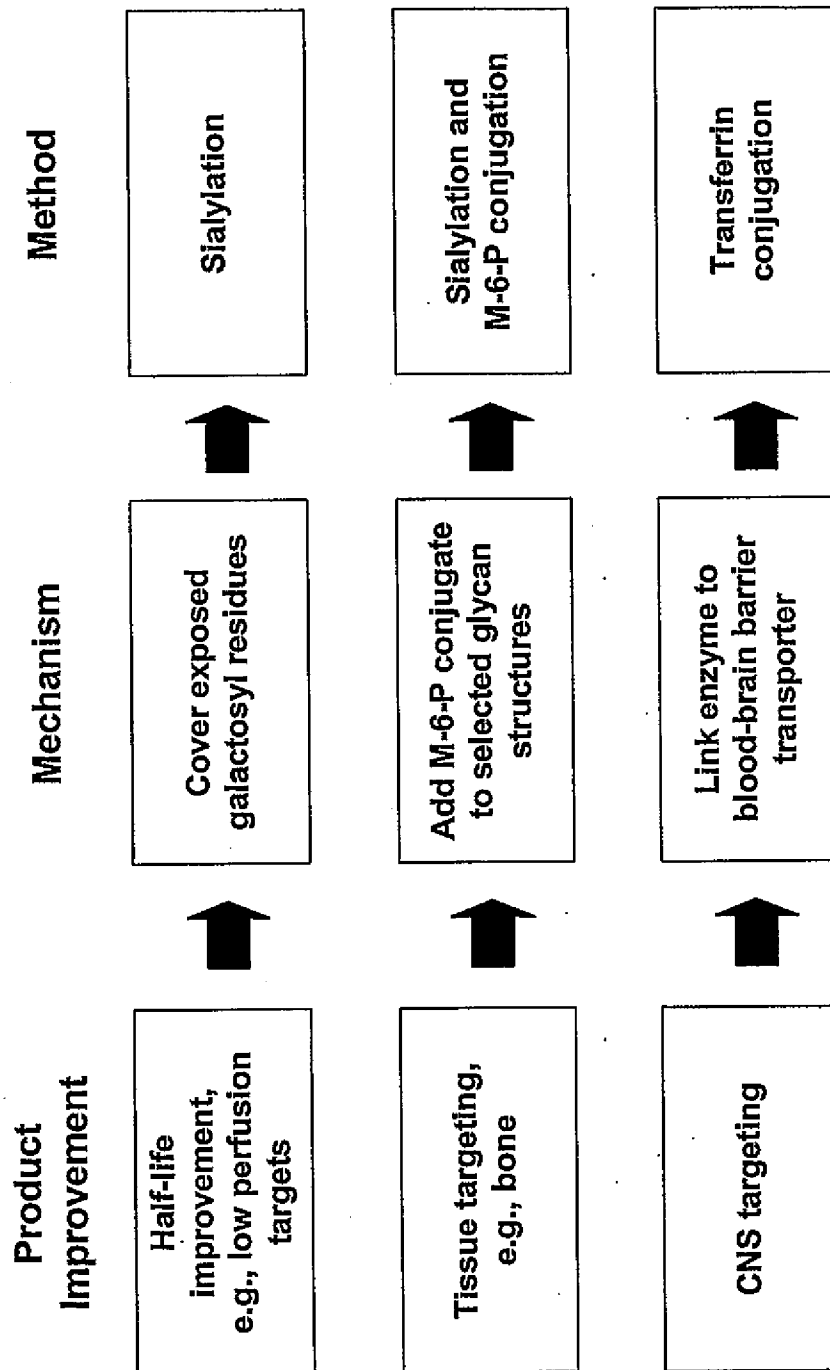


FIG. 23



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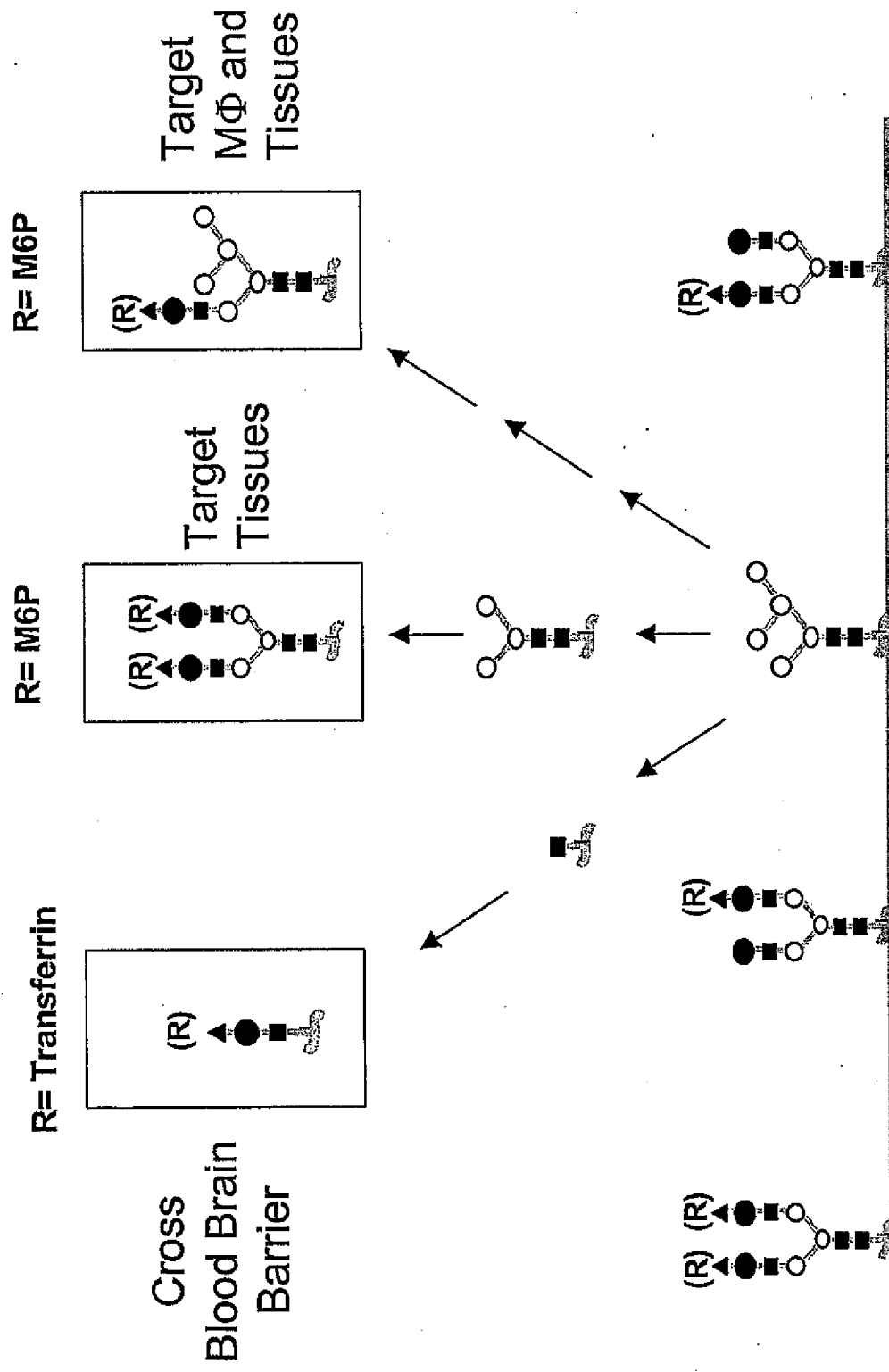


FIG. 24

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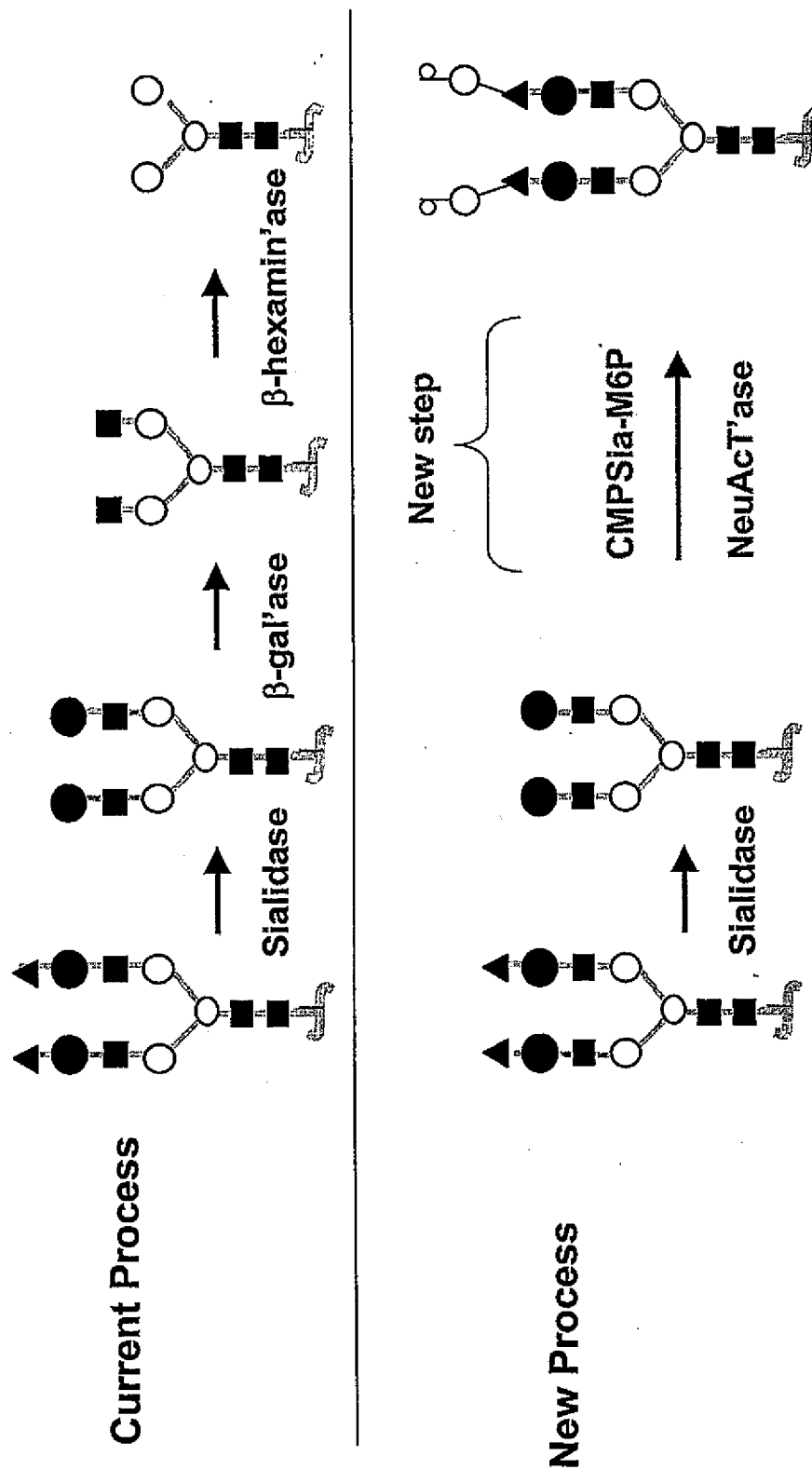


FIG. 25

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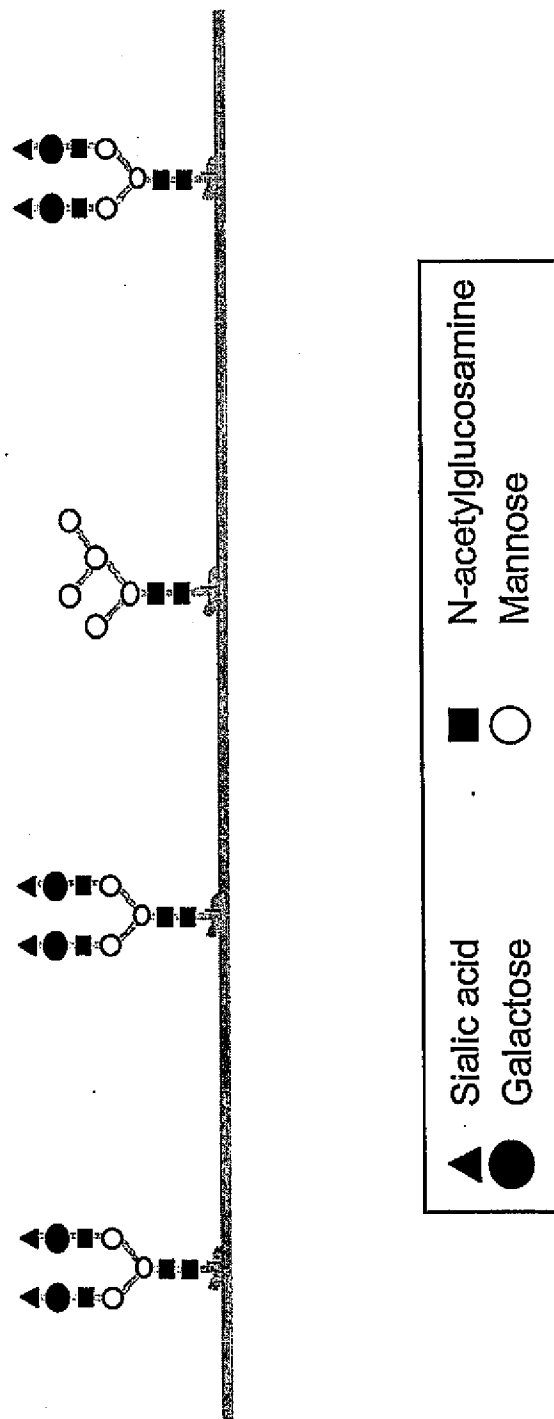
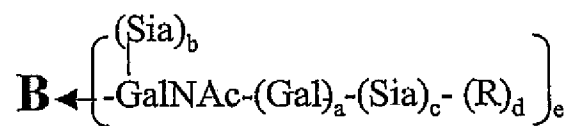
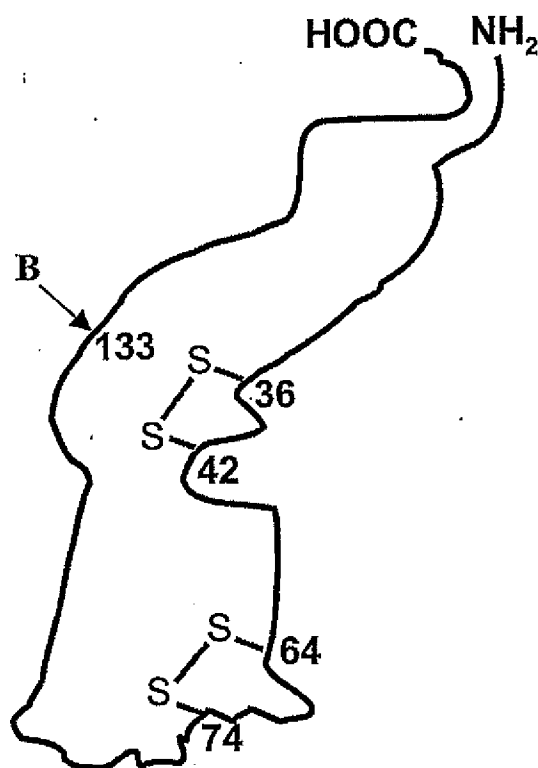


FIG. 26

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a-c, e (independently selected) = 0 or 1;

d = 0;

R = modifying group, mannose, oligo-mannose

FIG. 27A

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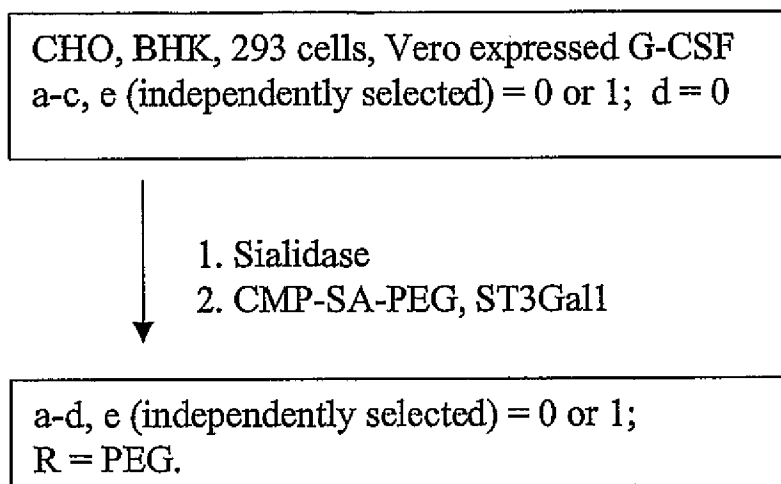


FIG. 27B

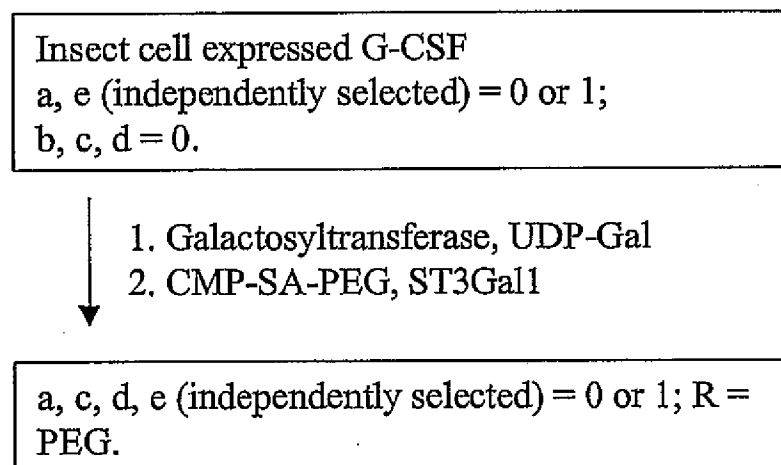


FIG. 27C

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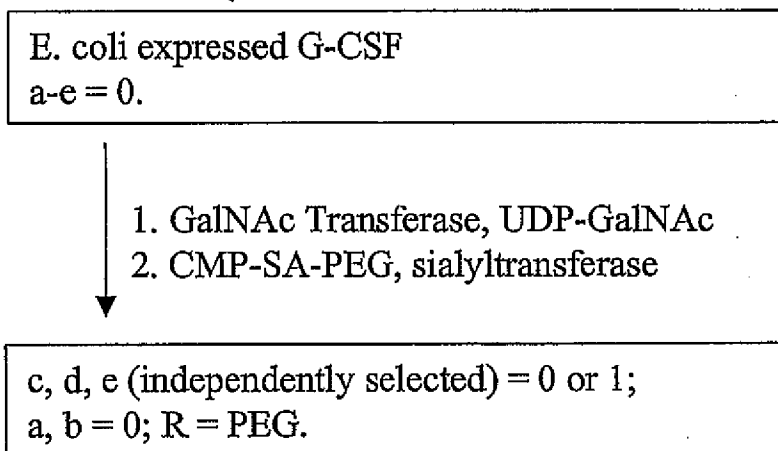


FIG. 27D

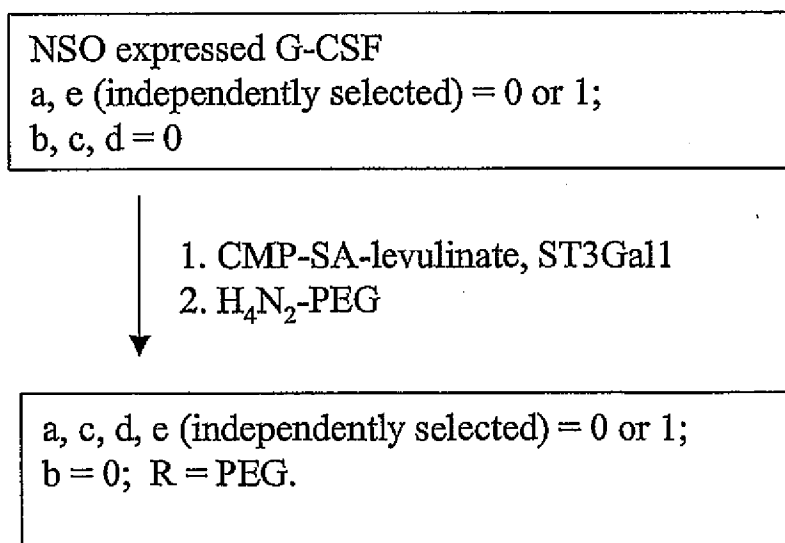


FIG. 27E

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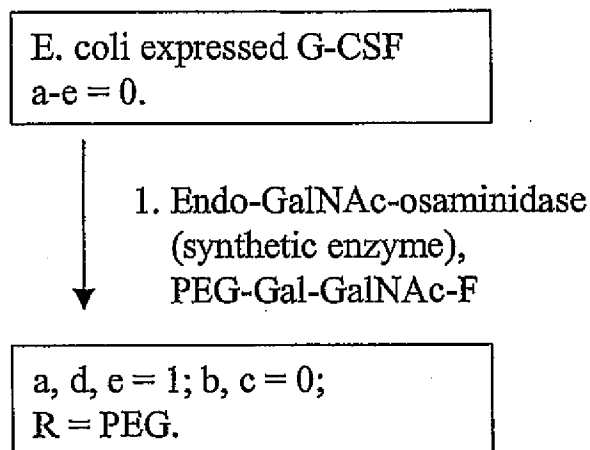


FIG. 27F

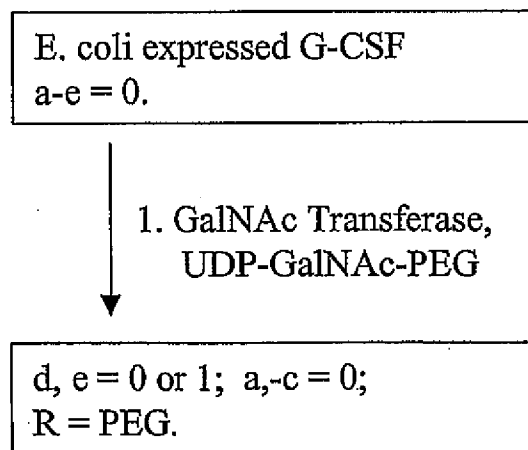
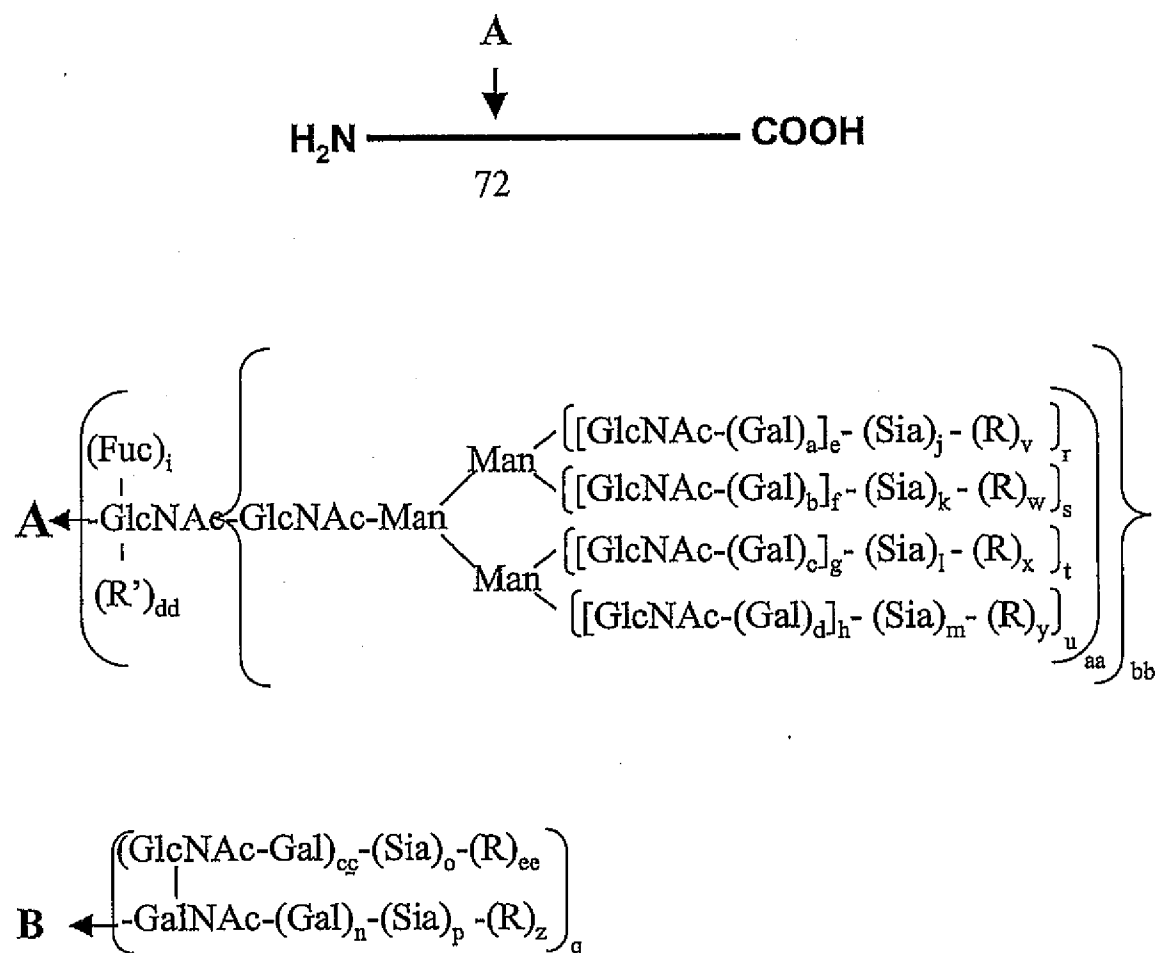


FIG. 27G

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a-d, i, n-u (independently selected) = 0 or 1.

aa, bb, cc, dd, ee (independently selected) = 0 or 1.

e-h (independently selected) = 0 to 6.

j-m (independently selected) = 0 to 20.

v-z = 0; R = modifying group, mannose, oligo-mannose.

R' = H, glycosyl residue, modifying group,  
glycoconjugate.

FIG. 28A



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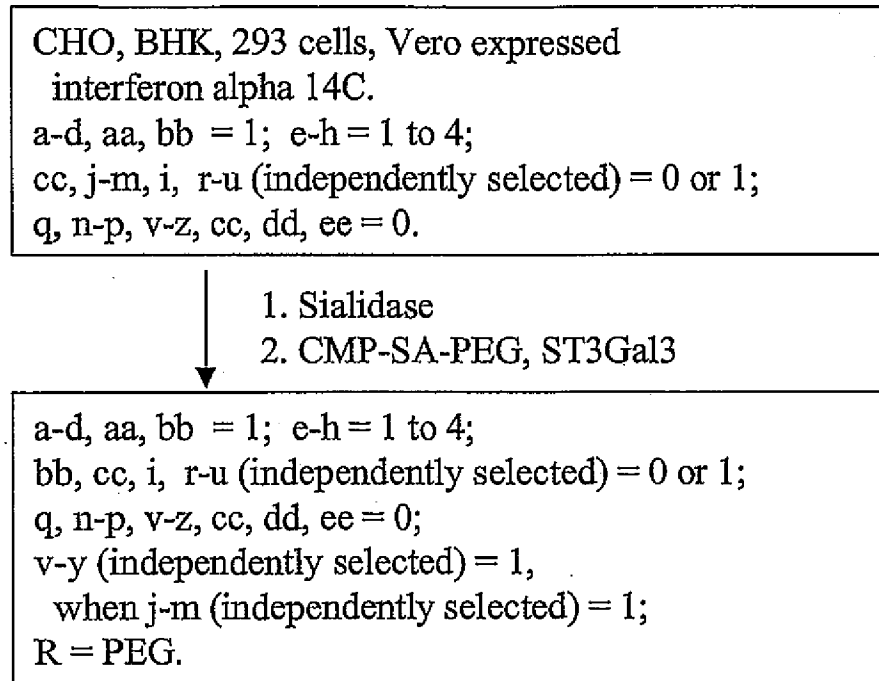


FIG. 28B

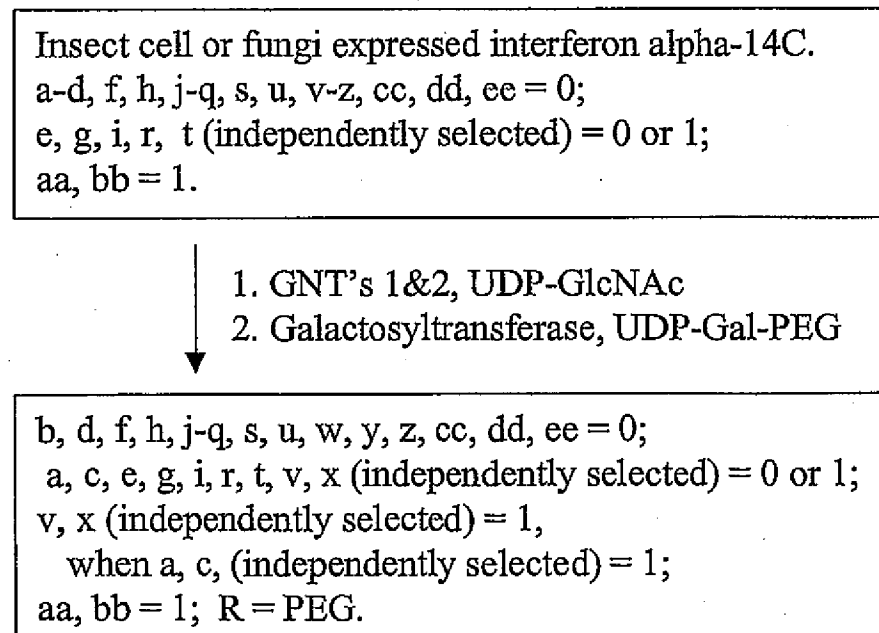


FIG. 28C

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Yeast expressed interferon alpha-14C.

a-q, cc, dd, ee, v-z = 0;

r-y (independently selected) = 0 to 1;

aa, bb = 1;

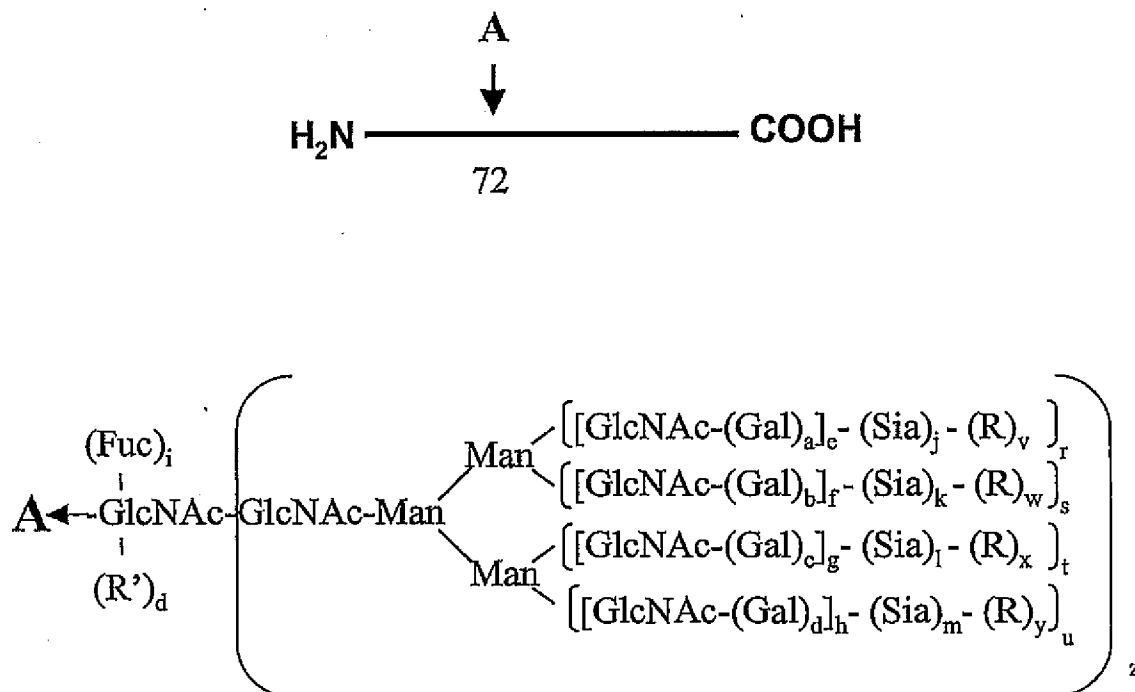
R (branched or linear) = Man, oligomannose or polysaccharide.

- ↓
1. Endo-H
  2. Galactosyltransferase, UDP-Gal
  - 3.. CMP-SA-PEG, ST3Gal3

a-z, bb = 0; aa = 1; R' = -Gal-Sia-PEG.

FIG. 28D

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a-d, i, r-u (independently selected) = 0 or 1.

e-h (independently selected) = 0 to 4.

j-m (independently selected) = 0 or 1.

n, v-y = 0; z = 0 or 1.

R = polymer; R' = sugar, glycoconjugate.

FIG. 28E

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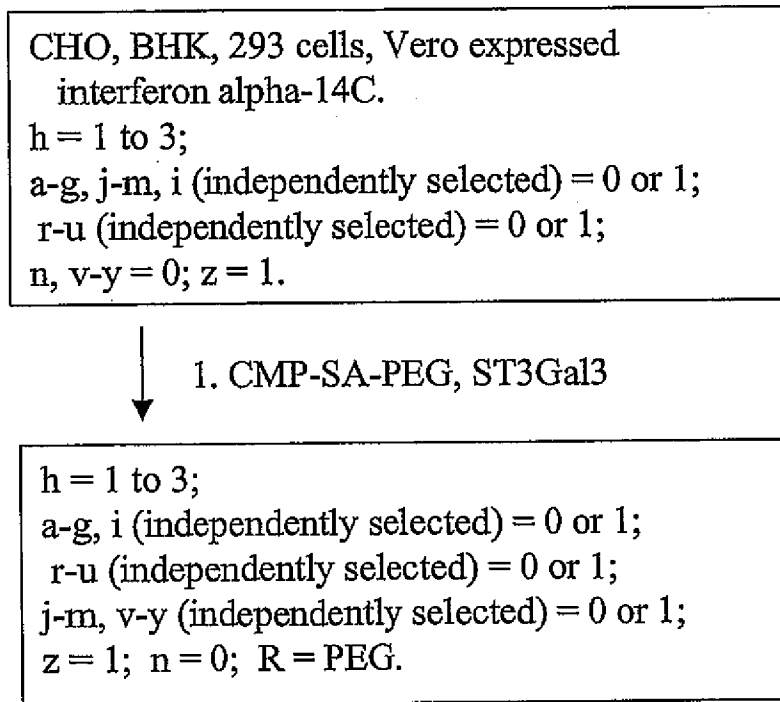


FIG. 28F

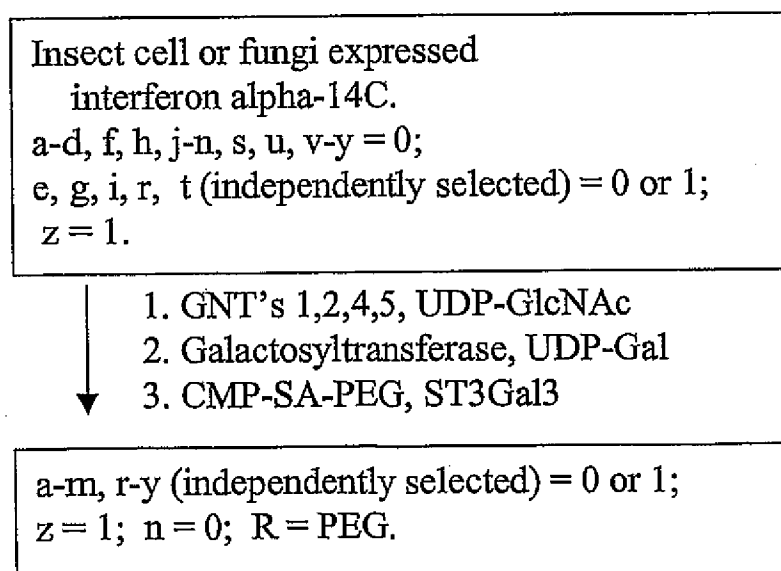


FIG. 28G

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Yeast expressed interferon alpha-14C.  
 a-n = 0; r-y (independently selected) = 0 to 1;  
 z = 1; R (branched or linear) = Man,  
 oligomannose.

- ↓
1. mannosidases
  2. GNT's 1,2,4,5, UDP-GlcNAc
  3. Galactosyltransferase, UDP-Gal
  - ↓ 4.. CMP-SA-PEG, ST3Gal3

a-m, r-y (independently selected) = 0 or 1;  
 z = 1; n = 0; R = PEG.

FIG. 28H

NSO expressed interferon alpha 14C.  
 a-i, r-u (independently selected) = 0 or 1;  
 j-m, n, v-y = 0; z = 1.

- ↓
1. CMP-SA-levulinate, ST3Gal3,  
buffer, salt
  2. H<sub>4</sub>N<sub>2</sub>-PEG

a-i, j-m, r-y (independently selected) = 0 or 1;  
 n = 0; z = 1; R = PEG.

FIG. 28I

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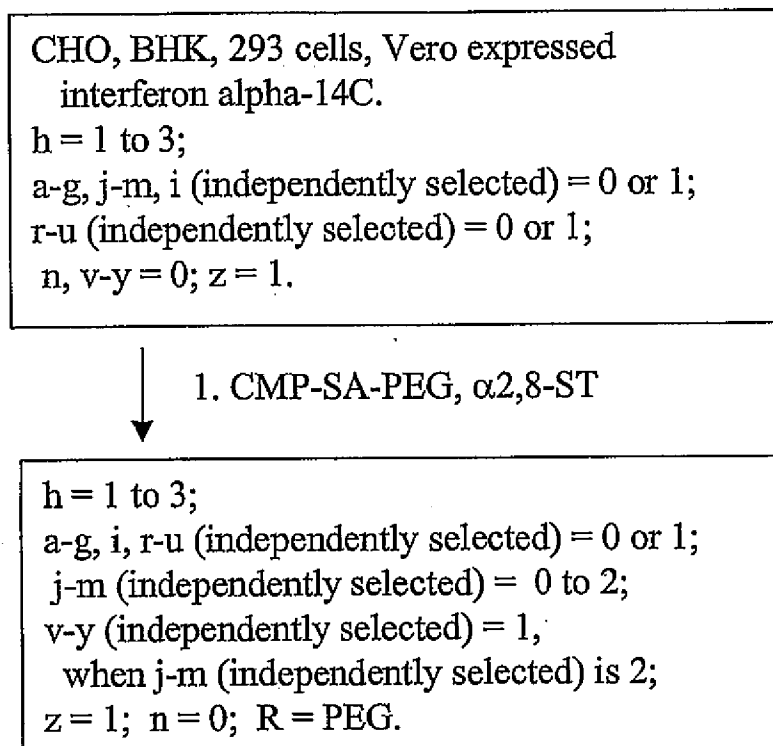


FIG. 28J

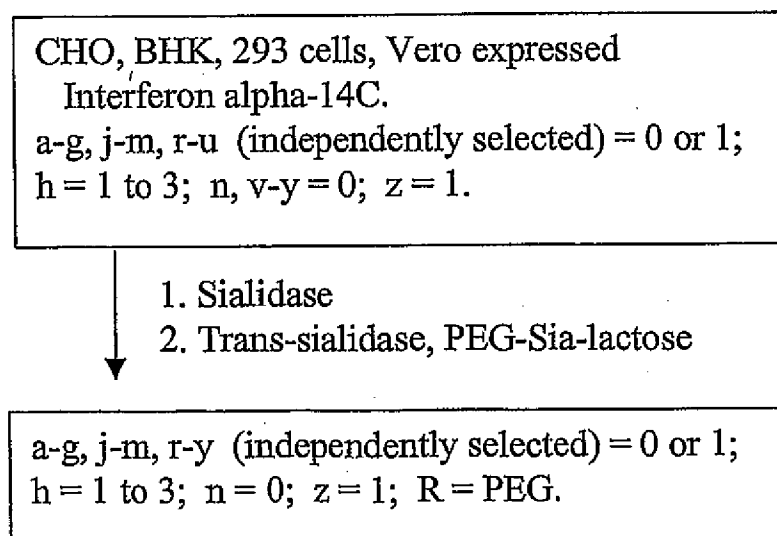


FIG. 28K

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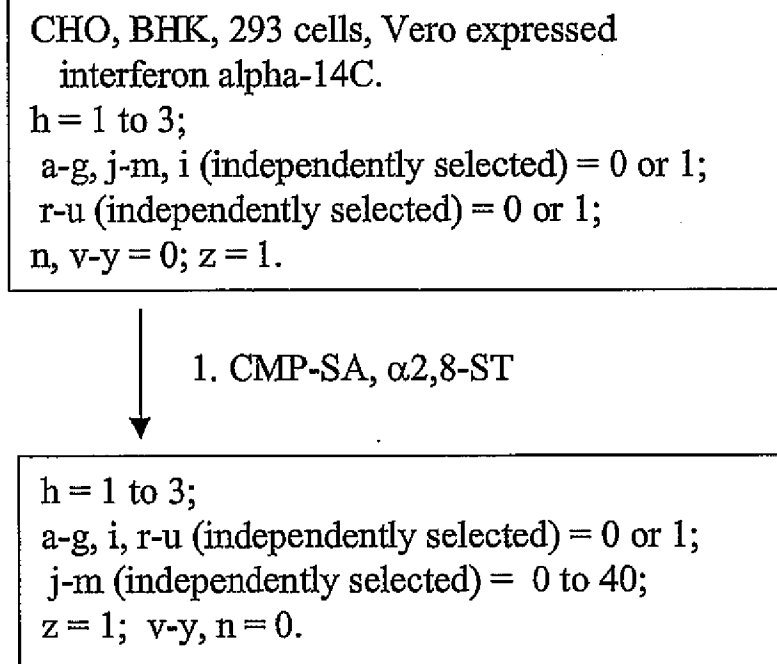


FIG. 28L

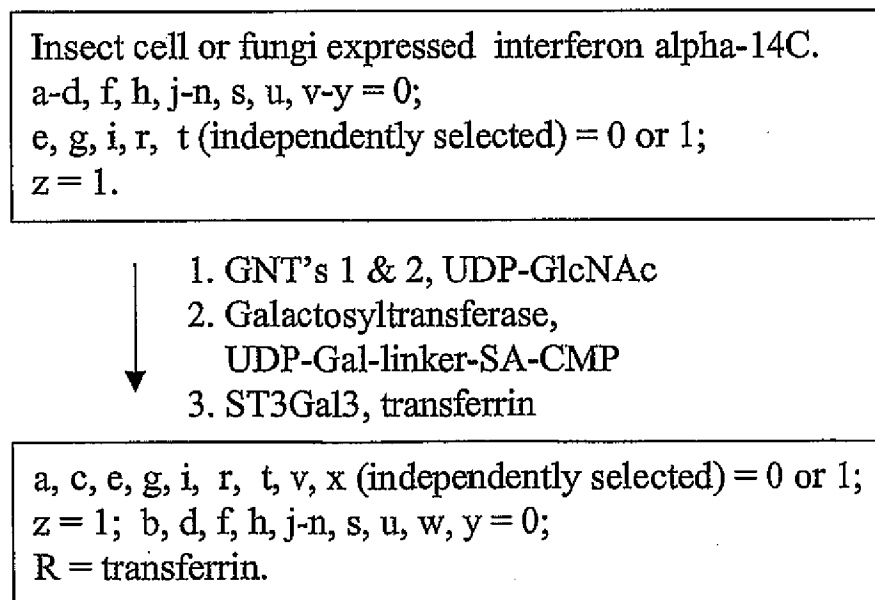


FIG. 28M

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Insect cell or fungi expressed interferon alpha-14C.  
a-d, f, h, j-n, s, u, v-y = 0;  
e, g, i, r, t (independently selected) = 0 or 1; z = 1.

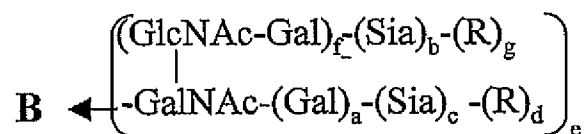
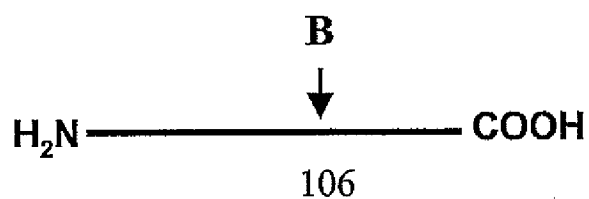
- ↓
1. endoglycanase
  2. Galactosyltransferase,  
UDP-Gal-linker-SA-CMP
  3. ST3Gal3, transferrin

i (independently selected) = 0 or 1;  
a-h, j-m, r-z = 0;  
n = 1; R' = -Gal-linker-transferrin.

FIG. 28N



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a-c, e, f (independently selected) = 0 or 1;  
 d, g = 0; R = polymer, glycoconjugate.

FIG. 280

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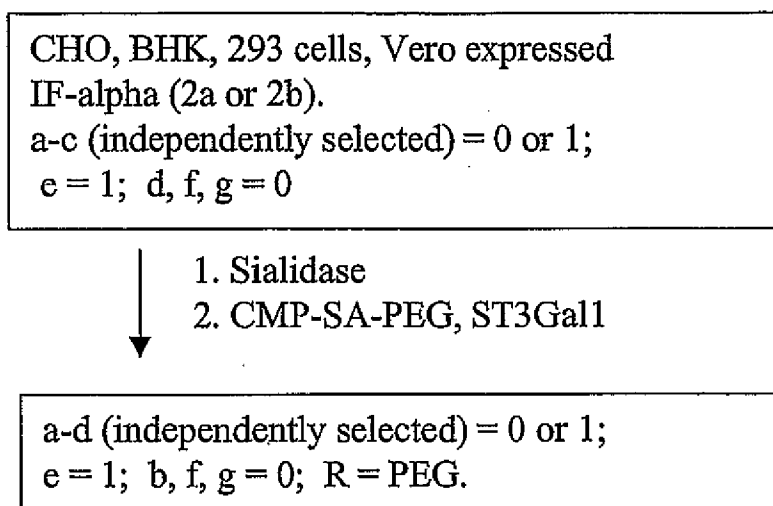


FIG. 28P

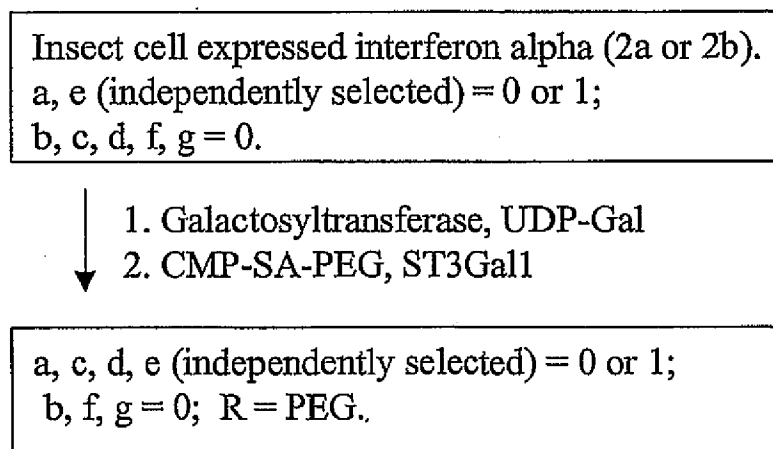


FIG. 28Q

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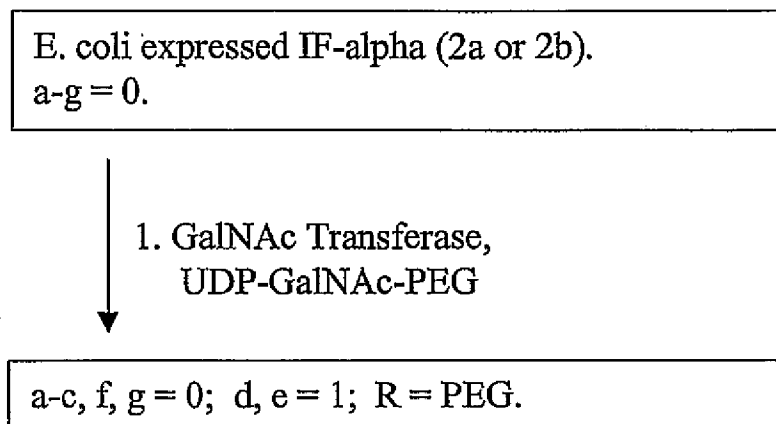


FIG. 28R

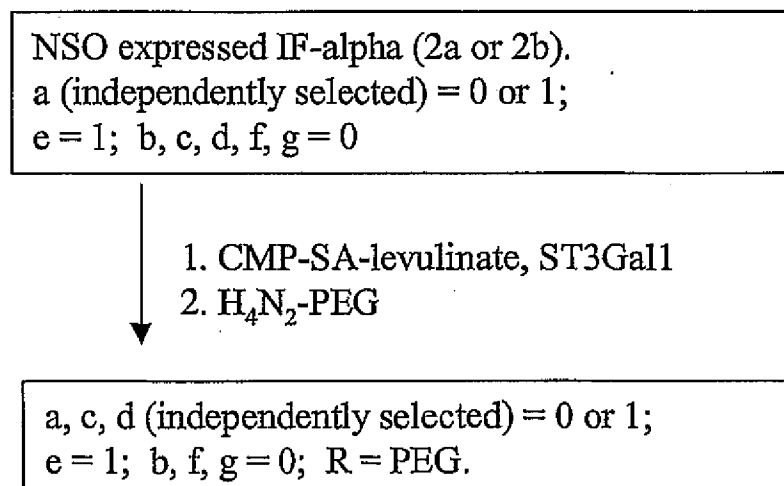


FIG. 28S

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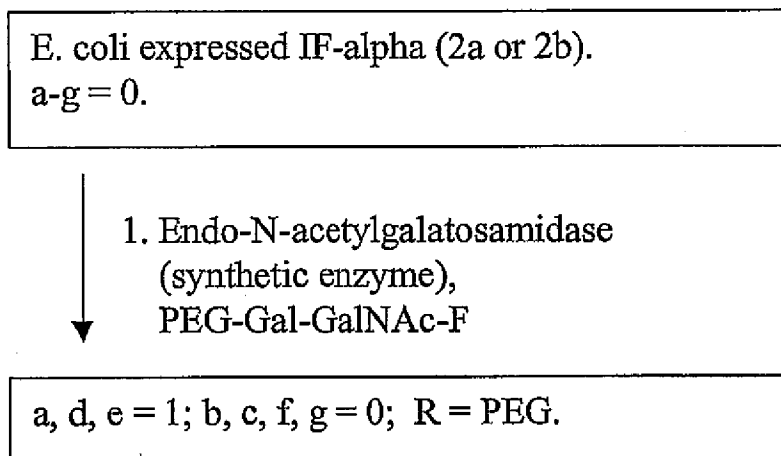


FIG. 28T

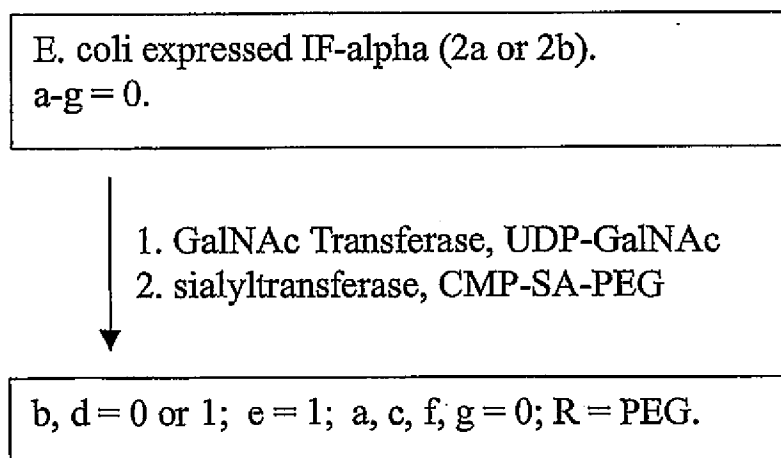


FIG. 28U

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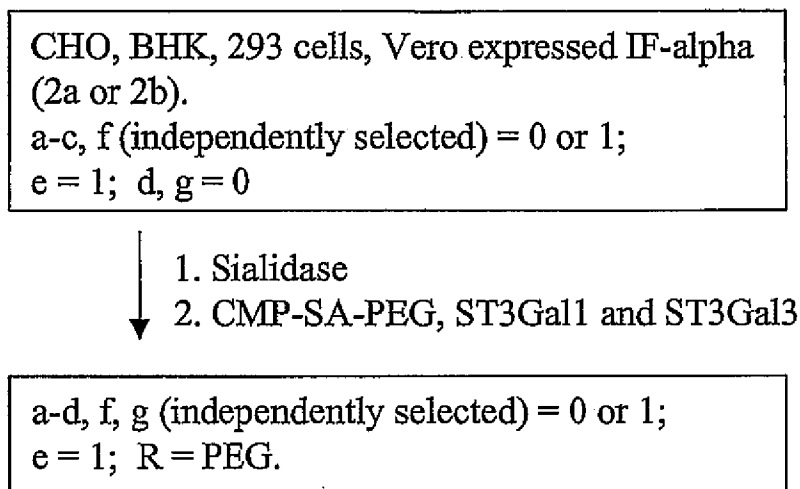


FIG. 28V

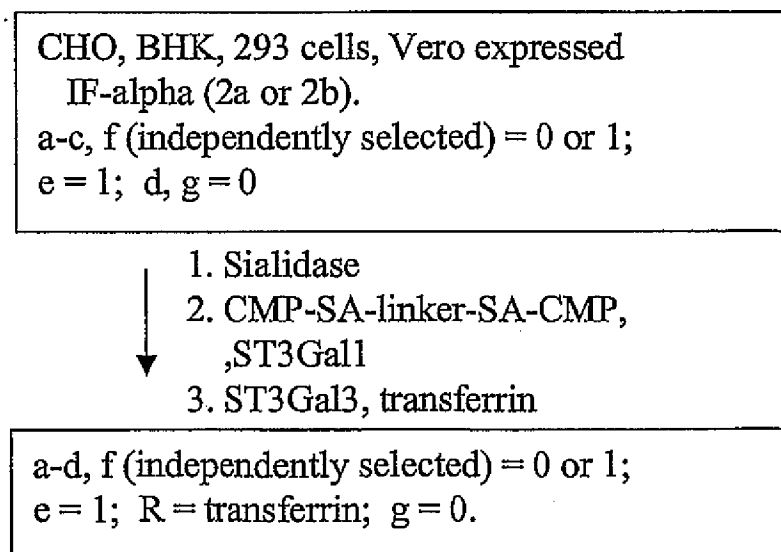


FIG. 28W



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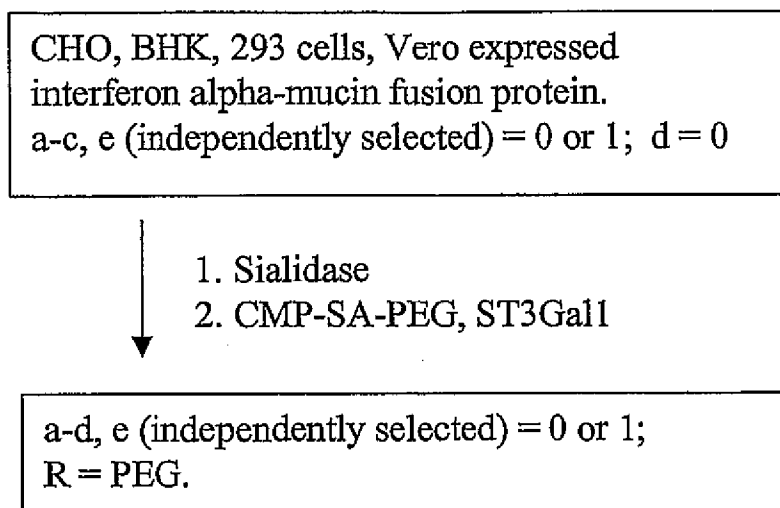


FIG. 28Y

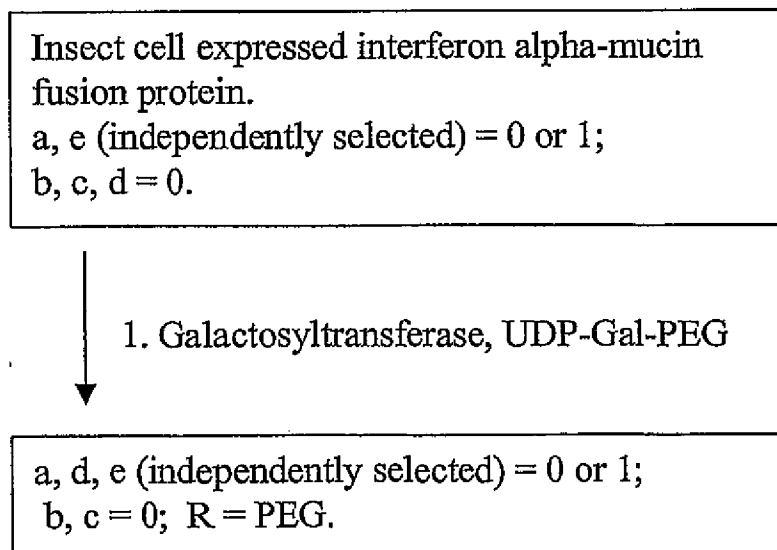


FIG. 28Z

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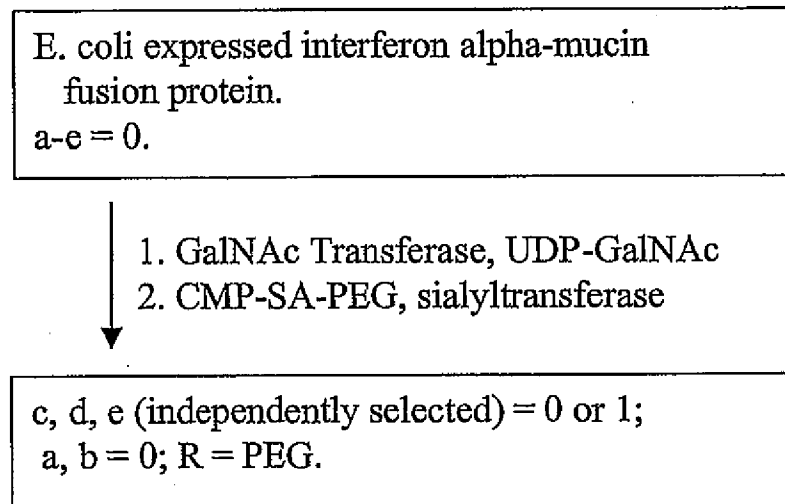
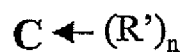
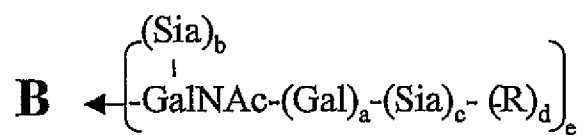
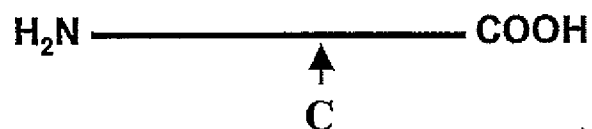
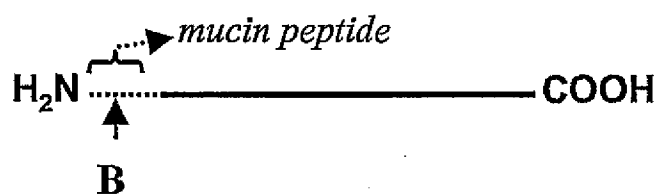
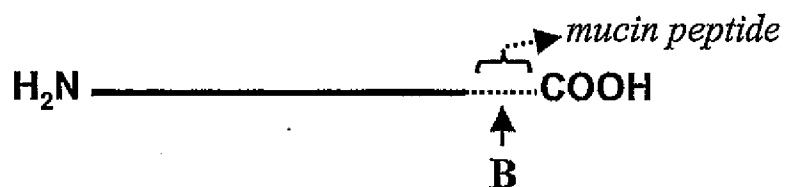


FIG. 28AA



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a-c, e (independently selected) = 0 or 1;  
d = 0; R = polymer, linker.

FIG. 28BB

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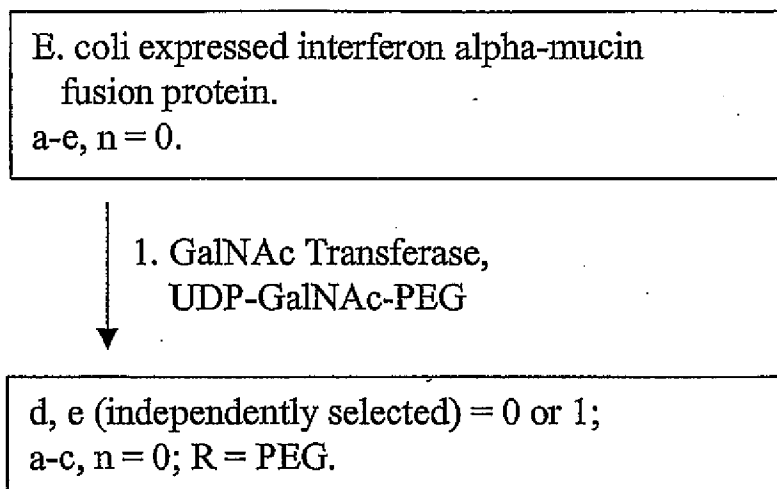


FIG. 28CC

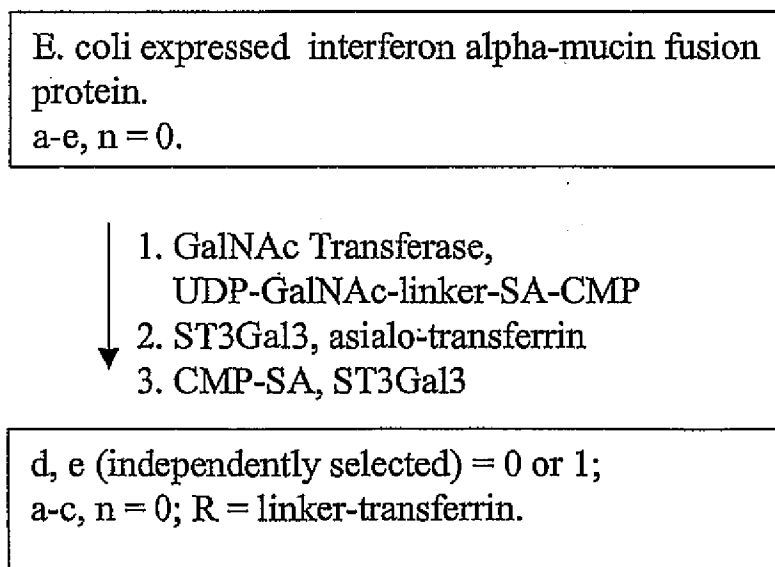


FIG. 28DD

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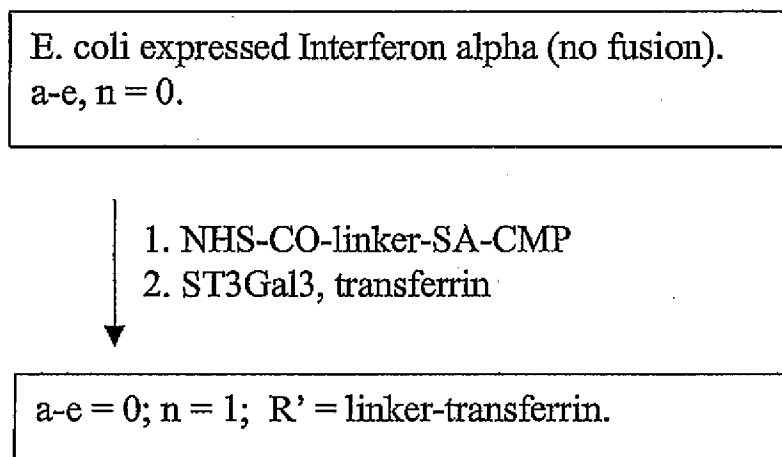


FIG. 28EE